

PCT/US00/19948

1/93

WO 01/07471

PCT/US00/19948

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1210462CD1

<400> 2

Met	Leu	Thr	Gln	Leu	Lys	Ala	Lys	Ser	Glu	Gly	Lys	Leu	Ala	Lys	1	5	10	15
Gln	Ile	Cys	Lys	Val	Val	Leu	Asp	His	Phe	Glu	Lys	Gln	Tyr	Ser	20	25	30	35
Lys	Glu	Leu	Gly	Asp	Ala	Trp	Asn	Thr	Val	Arg	Glu	Ile	Leu	Thr	40	45	50	55
Ser	Pro	Ser	Cys	Trp	Gln	Tyr	Ala	Val	Leu	Leu	Asn	Arg	Phe	Asn	60	65	70	75
Tyr	Pro	Phe	Glu	Leu	Glu	Lys	Asp	Leu	His	Leu	Lys	Gly	Tyr	His	80	85	90	95
Thr	Leu	Ser	Gln	Gly	Ser	Leu	Pro	Asn	Tyr	Pro	Lys	Ser	Val	Lys	100	105	110	115
Cys	Tyr	Leu	Ser	Arg	Thr	Pro	Gly	Arg	Ile	Pro	Ser	Glu	Arg	His	120	125	130	135
Gln	Ile	Gly	Asn	Leu	Lys	Lys	Tyr	Tyr	Leu	Leu	Asn	Ala	Ala	Ser	140	145	150	155
Leu	Leu	Pro	Val	Leu	Ala	Leu	Glu	Leu	Arg	Asp	Gly	Glu	Lys	Val	160	165	170	175
Leu	Asp	Leu	Cys	Ala	Ala	Pro	Gly	Gly	Lys	Ser	Ile	Ala	Leu	Leu	180	185	190	195
Gln	Cys	Ala	Cys	Pro	Gly	Tyr	Leu	His	Cys	Asn	Glu	Tyr	Asp	Ser	200	205	210	215
Leu	Arg	Leu	Arg	Trp	Leu	Arg	Gln	Thr	Leu	Glu	Ser	Phe	Ile	Pro	220	225	230	235
Gln	Pro	Leu	Ile	Asn	Val	Ile	Lys	Val	Ser	Glu	Leu	Asp	Gly	Arg	240	245	250	255
Lys	Met	Gly	Asp	Ala	Gln	Pro	Glu	Met	Phe	Asp	Lys	Val	Leu	Val	260	265	270	275
Asp	Ala	Pro	Cys	Ser	Asn	Asp	Arg	Ser	Trp	Leu	Phe	Ser	Ser	Asp	280	285	290	295
Ser	Gln	Lys	Ala	Ser	Cys	Arg	Ile	Ser	Gln	Arg	Arg	Asn	Leu	Pro	300	305	310	315
Leu	Leu	Gln	Ile	Glu	Leu	Leu	Arg	Ser	Ala	Ile	Lys	Ala	Leu	Arg	320	325	330	335
Pro	Gly	Gly	Ile	Leu	Val	Tyr	Ser	Thr	Cys	Thr	Leu	Ser	Lys	Ala	340			
Glu	Asn	Gln	Asp	Val	Ile	Ser	Glu	Ile	Leu	Asn	Ser	His	Gly	Asn				
Ile	Met	Pro	Met	Asp	Ile	Lys	Gly	Ile	Ala	Arg	Thr	Cys	Ser	His				
Asp	Phe	Thr	Phe	Ala	Pro	Thr	Gly	Gln	Glu	Cys	Gly	Leu	Leu	Val				
Ile	Pro	Asp	Lys	Gly	Lys	Ala	Trp	Gly	Pro	Met	Tyr	Val	Ala	Lys				
Leu	Lys	Lys	Ser	Trp	Ser	Thr	Gly	Lys	Trp									

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<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1305252CD1

<400> 3

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Met	Leu	Tyr	Leu	Glu	Asp	Tyr	Leu	Glu	Met	Ile	Glu	Gln	Leu	Pro	1	5	10	15
Met	Asp	Leu	Arg	Asp	Arg	Phe	Thr	Glu	Met	Arg	Glu	Met	Asp	Leu	20	25	30	
Gln	Val	Gln	Asn	Ala	Met	Asp	Gln	Leu	Glu	Gln	Arg	Val	Ser	Glu	35	40	45	
Phe	Phe	Met	Asn	Ala	Lys	Lys	Asn	Lys	Pro	Glu	Trp	Arg	Glu	Glu	50	55	60	
Gln	Met	Ala	Ser	Ile	Lys	Lys	Asp	Tyr	Tyr	Lys	Ala	Leu	Glu	Asp	65	70	75	
Ala	Asp	Glu	Lys	Val	Gln	Leu	Ala	Asn	Gln	Ile	Tyr	Asp	Leu	Val	80	85	90	
Asp	Arg	His	Leu	Arg	Lys	Leu	Asp	Gln	Glu	Leu	Ala	Lys	Phe	Lys	95	100	105	
Met	Glu	Leu	Glu	Ala	Asp	Asn	Ala	Gly	Ile	Thr	Glu	Ile	Leu	Glu	110	115	120	
Arg	Arg	Ser	Leu	Glu	Leu	Asp	Thr	Pro	Ser	Gln	Pro	Val	Asn	Asn	125	130	135	
His	His	Ala	His	Ser	His	Thr	Pro	Val	Glu	Lys	Arg	Lys	Tyr	Asn	140	145	150	
Pro	Thr	Ser	His	His	Thr	Thr	Thr	Asp	His	Ile	Pro	Glu	Lys	Lys	155	160	165	
Phe	Lys	Ser	Glu	Ala	Leu	Leu	Ser	Thr	Leu	Thr	Ser	Asp	Ala	Ser	170	175	180	
Lys	Glu	Asn	Thr	Leu	Gly	Cys	Arg	Asn	Asn	Asn	Ser	Thr	Ala	Ser	185	190	195	
Ser	Asn	Asn	Ala	Tyr	Asn	Val	Asn	Ser	Ser	Gln	Pro	Leu	Gly	Ser	200	205	210	
Tyr	Asn	Ile	Gly	Ser	Leu	Ser	Ser	Gly	Thr	Gly	Ala	Gly	Ala	Ile	215	220	225	
Thr	Met	Ala	Ala	Ala	Gln	Ala	Val	Gln	Ala	Thr	Ala	Gln	Met	Lys	230	235	240	
Glu	Gly	Arg	Arg	Thr	Ser	Ser	Leu	Lys	Ala	Ser	Tyr	Glu	Ala	Phe	245	250	255	
Lys	Asn	Asn	Asp	Phe	Gln	Leu	Gly	Lys	Glu	Phe	Ser	Met	Ala	Arg	260	265	270	
Glu	Thr	Val	Gly	Tyr	Ser	Ser	Ser	Ser	Ala	Leu	Met	Thr	Thr	Leu	275	280	285	
Thr	Gln	Asn	Ala	Ser	Ser	Ser	Ala	Ala	Asp	Ser	Arg	Ser	Gly	Arg	290	295	300	
Lys	Ser	Lys	Asn	Asn	Asn	Lys	Ser	Ser	Ser	Gln	Gln	Ser	Ser	Ser	305	310	315	
Ser	Ser	Ser	Ser	Ser	Ser	Leu	Ser	Ser	Cys	Ser	Ser	Ser	Ser	Thr	320	325	330	
Val	Val	Gln	Glu	Ile	Ser	Gln	Gln	Thr	Thr	Val	Val	Pro	Glu	Ser	335	340	345	
Asp	Ser	Asn	Ser	Gln	Val	Asp	Trp	Thr	Tyr	Asp	Pro	Asn	Glu	Pro	350	355	360	
Arg	Tyr	Cys	Ile	Cys	Asn	Gln	Val	Ser	Tyr	Gly	Glu	Met	Val	Gly	365	370	375	
Cys	Asp	Asn	Gln	Asp	Cys	Pro	Ile	Glu	Trp	Phe	His	Tyr	Gly	Cys	380	385	390	
Val	Gly	Leu	Thr	Glu	Ala	Pro	Lys	Gly	Lys	Trp	Tyr	Cys	Pro	Gln	395	400	405	
Cys	Thr	Ala	Ala	Met	Lys	Arg	Arg	Gly	Ser	Arg	His	Lys			410	415		

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<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

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<223> Incyte ID No: 1416289CD1

<400> 4

Met	Ala	Tyr	Asn	Val	Ile	Ile	Ile	Tyr	Phe	Asn	Phe	Arg	Cys	Leu
1				5					10					15
Glu	Trp	Leu	Leu	Asn	Asn	Leu	Met	Thr	His	Gln	Asn	Val	Glu	Leu
				20					25					30
Phe	Lys	Glu	Leu	Ser	Ile	Asn	Val	Met	Lys	Gln	Leu	Ile	Gly	Ser
				35					40					45
Ser	Asn	Leu	Phe	Val	Met	Gln	Val	Glu	Met	Asp	Ile	Tyr	Thr	Ala
				50					55					60
Leu	Lys	Lys	Trp	Met	Phe	Leu	Gln	Leu	Val	Pro	Ser	Trp	Asn	Gly
				65					70					75
Ser	Leu	Lys	Gln	Leu	Leu	Thr	Glu	Thr	Asp	Val	Trp	Phe	Ser	Lys
				80					85					90
Gln	Arg	Lys	Asp	Phe	Glu	Gly	Met	Ala	Phe	Leu	Glu	Thr	Glu	Gln
				95					100					105
Gly	Lys	Pro	Phe	Val	Ser	Val	Phe	Arg	His	Leu	Arg	Leu	Gln	Tyr
				110					115					120
Ile	Ile	Ser	Asp	Leu	Ala	Ser	Ala	Arg	Ile	Ile	Glu	Gln	Asp	Ala
				125					130					135
Val	Val	Pro	Ser	Glu	Trp	Leu	Ser	Ser	Val	Tyr	Lys	Gln	Gln	Trp
				140					145					150
Phe	Ala	Met	Leu	Arg	Ala	Glu	Gln	Asp	Ser	Glu	Val	Gly	Pro	Gln
				155					160					165
Glu	Ile	Asn	Lys	Glu	Glu	Leu	Glu	Gly	Asn	Ser	Met	Arg	Cys	Gly
				170					175					180
Arg	Lys	Leu	Ala	Lys	Asp	Gly	Glu	Tyr	Cys	Trp	Arg	Trp	Thr	Gly
				185					190					195
Phe	Asn	Phe	Gly	Phe	Asp	Leu	Leu	Val	Thr	Tyr	Thr	Asn	Arg	Tyr
				200					205					210
Ile	Ile	Phe	Lys	Arg	Asn	Thr	Leu	Asn	Gln	Pro	Cys	Ser	Gly	Ser
				215					220					225
Val	Ser	Leu	Gln	Pro	Arg	Arg	Ser	Ile	Ala	Phe	Arg	Leu	Arg	Leu
				230					235					240
Ala	Ser	Phe	Asp	Ser	Ser	Gly	Lys	Leu	Ile	Cys	Ser	Arg	Thr	Thr
				245					250					255
Gly	Tyr	Gln	Ile	Leu	Thr	Leu	Glu	Lys	Asp	Gln	Glu	Gln	Val	Val
				260					265					270
Met	Asn	Leu	Asp	Ser	Arg	Leu	Leu	Ile	Phe	Pro	Leu	Tyr	Ile	Cys
				275					280					285
Cys	Asn	Phe	Leu	Tyr	Ile	Ser	Pro	Glu	Lys	Lys	Asn			
				290					295					

<210> 5

<211> 184

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1558289CD1

<400> 5

Met	Glu	Ser	Phe	Ser	Ser	Lys	Ser	Leu	Ala	Leu	Gln	Ala	Glu	Lys
1				5					10					15
Lys	Leu	Leu	Ser	Lys	Met	Ala	Gly	Arg	Ser	Val	Ala	His	Leu	Phe
				20					25					30
Ile	Asp	Glu	Thr	Ser	Ser	Glu	Val	Leu	Asp	Glu	Leu	Tyr	Arg	Val
				35					40					45
Ser	Lys	Glu	Tyr	Thr	His	Ser	Arg	Pro	Gln	Ala	Gln	Arg	Val	Ile
				50					55					60
Lys	Asp	Leu	Ile	Lys	Val	Ala	Ile	Lys	Val	Ala	Val	Leu	His	Arg
				65					70					75

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Asn Gly Ser Phe Gly Pro Ser Glu Leu Ala Leu Ala Thr Arg Phe
      80      85      90
Arg Gln Lys Leu Arg Gln Gly Ala Met Thr Ala Leu Ser Phe Gly
      95     100     105
Glu Val Asp Phe Thr Phe Glu Ala Ala Val Leu Ala Gly Leu Leu
      110     115     120
Thr Glu Cys Arg Asp Val Leu Leu Glu Leu Val Glu His His Leu
      125     130     135
Thr Pro Lys Ser His Gly Arg Ile Arg His Val Phe Asp His Phe
      140     145     150
Ser Asp Pro Gly Leu Leu Thr Ala Leu Tyr Gly Pro Asp Phe Thr
      155     160     165
Gln His Leu Gly Lys Ile Cys Asp Gly Leu Arg Lys Leu Leu Asp
      170     175     180
Glu Gly Lys Leu

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<210> 6
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1577739CD1

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Met Asp Val Arg Arg Val Leu Val Lys Ala Glu Met Glu Lys Phe
  1      5      10      15
Leu Gln Asn Lys Glu Leu Phe Ser Ser Leu Lys Lys Gly Lys Ile
      20      25      30
Cys Cys Cys Cys Arg Ala Lys Phe Pro Leu Phe Ser Trp Pro Pro
      35      40      45
Ser Cys Leu Phe Cys Lys Arg Ala Val Cys Thr Ser Cys Ser Ile
      50      55      60
Lys Met Lys Met Pro Ser Lys Lys Phe Gly His Ile Pro Val Tyr
      65      70      75
Thr Leu Gly Phe Glu Ser Pro Gln Arg Val Ser Ala Ala Lys Thr
      80      85      90
Ala Pro Ile Gln Arg Arg Asp Ile Phe Gln Ser Leu Gln Gly Pro
      95     100     105
Gln Trp Gln Ser Val Glu Glu Ala Phe Pro His Ile Tyr Ser His
      110     115     120
Gly Cys Val Leu Lys Asp Val Cys Ser Glu Cys Thr Ser Phe Val
      125     130     135
Ala Asp Val Val Arg Ser Ser Arg Lys Ser Val Asp Val Leu Asn
      140     145     150
Thr Thr Pro Arg Arg Ser Arg Gln Thr Gln Ser Leu Tyr Ile Pro
      155     160     165
Asn Thr Arg Thr Leu Asp Phe Lys
      170

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<210> 7
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 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 1752768CD1

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<400> 7
Met Val Pro Val Ala Val Thr Ala Ala Val Ala Pro Val Leu Ser
  1      5      10      15
Ile Asn Ser Asp Phe Ser Asp Leu Arg Glu Ile Lys Lys Gln Leu

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	20		25		30
Leu Leu Ile Ala Gly	Leu Thr Arg Glu Arg	Gly Leu Leu His Ser			
	35		40		45
Ser Lys Trp Ser Ala	Glu Leu Ala Phe Ser	Leu Pro Ala Leu Pro			
	50		55		60
Leu Ala Glu Leu Gln	Pro Pro Pro Pro Ile	Thr Glu Glu Asp Ala			
	65		70		75
Gln Asp Met Asp Ala	Tyr Thr Leu Ala Lys	Ala Tyr Phe Asp Val			
	80		85		90
Lys Glu Tyr Asp Arg	Ala Ala His Phe Leu	His Gly Cys Asn Ser			
	95		100		105
Lys Lys Ala Tyr Phe	Leu Tyr Met Tyr Ser	Arg Tyr Leu Ser Gly			
	110		115		120
Glu Lys Lys Lys Asp	Asp Glu Thr Val Asp	Ser Leu Gly Pro Leu			
	125		130		135
Glu Lys Gly Gln Val	Lys Asn Glu Ala Leu	Arg Glu Leu Arg Val			
	140		145		150
Glu Leu Ser Lys Lys	His Gln Ala Arg Glu	Leu Asp Gly Phe Gly			
	155		160		165
Leu Tyr Leu Tyr Gly	Val Val Leu Arg Lys	Leu Asp Leu Val Lys			
	170		175		180
Glu Ala Ile Asp Val	Phe Val Glu Ala Thr	His Val Leu Pro Leu			
	185		190		195
His Trp Gly Ala Trp	Leu Glu Leu Cys Asn	Leu Ile Thr Asp Lys			
	200		205		210
Glu Met Leu Lys Phe	Leu Ser Leu Pro Asp	Thr Trp Met Lys Glu			
	215		220		225
Phe Phe Leu Ala His	Ile Tyr Thr Glu Leu	Gln Leu Ile Glu Glu			
	230		235		240
Ala Leu Gln Lys Tyr	Gln Asn Leu Ile Asp	Val Gly Phe Ser Lys			
	245		250		255
Ser Ser Tyr Ile Val	Ser Gln Ile Ala Val	Ala Tyr His Asn Ile			
	260		265		270
Arg Asp Ile Asp Lys	Ala Leu Ser Ile Phe	Asn Glu Leu Arg Lys			
	275		280		285
Gln Asp Pro Tyr Arg	Ile Glu Asn Met Asp	Thr Phe Ser Asn Leu			
	290		295		300
Leu Tyr Val Arg Ser	Met Lys Ser Glu Leu	Ser Tyr Leu Ala His			
	305		310		315
Asn Leu Cys Glu Ile	Asp Lys Tyr Arg Val	Glu Thr Cys Cys Val			
	320		325		330
Ile Gly Asn Tyr Tyr	Ser Leu Arg Ser Gln	His Glu Lys Ala Ala			
	335		340		345
Leu Tyr Phe Gln Arg	Ala Leu Lys Leu Asn	Pro Arg Tyr Leu Gly			
	350		355		360
Ala Trp Thr Leu Met	Gly His Glu Tyr Met	Glu Met Lys Asn Thr			
	365		370		375
Ser Ala Ala Ile Gln	Ala Tyr Arg His Ala	Ile Glu Val Asn Lys			
	380		385		390
Arg Asp Tyr Arg Ala	Trp Tyr Gly Leu Gly	Gln Thr Tyr Glu Ile			
	395		400		405
Leu Lys Met Pro Phe	Tyr Cys Leu Tyr Tyr	Cys Arg Arg Ala His			
	410		415		420
Gln Leu Arg Pro Asn	Asp Ser Arg Met Leu	Val Ala Leu Gly Glu			
	425		430		435
Cys Tyr Glu Lys Leu	Asn Gln Leu Val Glu	Ala Lys Lys Cys Tyr			
	440		445		450
Trp Arg Ala Tyr Ala	Val Gly Asp Val Glu	Lys Met Ala Leu Val			
	455		460		465
Lys Leu Ala Lys Leu	His Glu Gln Leu Thr	Glu Ser Glu Gln Ala			
	470		475		480
Ala Gln Cys Tyr Ile	Lys Tyr Ile Gln Asp	Ile Tyr Ser Cys Gly			
	485		490		495

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Glu	Ile	Val	Glu	His	Leu	Glu	Glu	Ser	Thr	Ala	Phe	Arg	Tyr	Leu
				500					505					510
Ala	Gln	Tyr	Tyr	Phe	Lys	Cys	Lys	Leu	Trp	Asp	Glu	Ala	Ser	Thr
				515					520					525
Cys	Ala	Gln	Lys	Cys	Cys	Ala	Phe	Asn	Asp	Thr	Arg	Glu	Glu	Gly
				530					535					540
Lys	Ala	Leu	Leu	Arg	Gln	Ile	Leu	Gln	Leu	Arg	Asn	Gln	Gly	Glu
				545					550					555
Thr	Pro	Thr	Thr	Glu	Val	Pro	Ala	Pro	Phe	Phe	Leu	Pro	Ala	Ser
				560					565					570
Leu	Ser	Ala	Asn	Asn	Thr	Pro	Thr	Arg	Arg	Val	Ser	Pro	Leu	Asn
				575					580					585
Leu	Ser	Ser	Val	Thr	Pro									
				590										

<210> 8

<211> 463

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1887228CD1

<400> 8

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Gly	Thr	Val	Phe	Thr	Glu	Leu	Asn	Asp	Glu	Lys	Val	Leu	Gln	Glu
				20					25					30
Leu	Asp	Met	Ser	Asp	Phe	Glu	Glu	Gln	Phe	Lys	Thr	Lys	Ser	Gln
				35					40					45
Gly	Pro	Ser	Leu	Asp	Leu	Ser	Ala	Leu	Lys	Ser	Lys	Ala	Ala	Gln
				50					55					60
Lys	Ala	Pro	Ser	Lys	Ala	Thr	Leu	Ile	Glu	Ala	Asn	Arg	Ala	Lys
				65					70					75
Asn	Leu	Ala	Ile	Thr	Leu	Arg	Lys	Gly	Asn	Leu	Gly	Ala	Glu	Arg
				80					85					90
Ile	Cys	Gln	Ala	Ile	Glu	Ala	Tyr	Asp	Leu	Gln	Ala	Leu	Gly	Leu
				95					100					105
Asp	Phe	Leu	Glu	Leu	Leu	Met	Arg	Phe	Leu	Pro	Thr	Glu	Tyr	Glu
				110					115					120
Arg	Ser	Leu	Ile	Thr	Arg	Phe	Glu	Arg	Glu	Gln	Arg	Pro	Met	Glu
				125					130					135
Glu	Leu	Ser	Glu	Glu	Asp	Arg	Phe	Met	Leu	Cys	Phe	Ser	Arg	Ile
				140					145					150
Pro	Arg	Leu	Pro	Glu	Arg	Met	Thr	Thr	Leu	Thr	Phe	Leu	Gly	Asn
				155					160					165
Phe	Pro	Asp	Thr	Ala	Gln	Leu	Leu	Met	Pro	Gln	Leu	Asn	Ala	Ile
				170					175					180
Ile	Ala	Ala	Ser	Met	Ser	Ile	Lys	Ser	Ser	Asp	Lys	Leu	Arg	Gln
				185					190					195
Ile	Leu	Glu	Ile	Val	Leu	Ala	Phe	Gly	Asn	Tyr	Met	Asn	Ser	Ser
				200					205					210
Lys	Arg	Gly	Ala	Ala	Tyr	Gly	Phe	Arg	Leu	Gln	Ser	Leu	Asp	Ala
				215					220					225
Leu	Leu	Glu	Met	Lys	Ser	Thr	Asp	Arg	Lys	Gln	Thr	Leu	Leu	His
				230					235					240
Tyr	Leu	Val	Lys	Val	Ile	Ala	Glu	Lys	Tyr	Pro	Gln	Leu	Thr	Gly
				245					250					255
Phe	His	Ser	Asp	Leu	His	Phe	Leu	Asp	Lys	Ala	Gly	Ser	Val	Ser
				260					265					270
Leu	Asp	Ser	Val	Leu	Ala	Asp	Val	Arg	Ser	Leu	Gln	Arg	Gly	Leu
				275					280					285
Glu	Leu	Thr	Gln	Arg	Glu	Phe	Val	Arg	Gln	Asp	Asp	Cys	Met	Val

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290	295	300
Leu Lys Glu Phe	Leu Arg Ala Asn Ser	Pro Thr Met Asp Lys Leu
305	310	315
Leu Ala Asp Ser	Lys Thr Ala Gln Glu	Ala Phe Glu Ser Val Val
320	325	330
Glu Tyr Phe Gly	Glu Asn Pro Lys Thr	Thr Ser Pro Gly Leu Phe
335	340	345
Phe Ser Leu Phe	Ser Arg Phe Ile Lys	Ala Tyr Lys Lys Ala Glu
350	355	360
Gln Glu Val Glu	Gln Trp Lys Lys Glu	Ala Ala Ala Gln Glu Ala
365	370	375
Gly Ala Asp Thr	Pro Gly Lys Gly Glu	Pro Pro Ala Pro Lys Ser
380	385	390
Pro Pro Lys Ala	Arg Arg Pro Gln Met	Asp Leu Ile Ser Glu Leu
395	400	405
Lys Arg Arg Gln	Gln Lys Glu Pro Leu	Ile Tyr Glu Ser Asp Arg
410	415	420
Asp Gly Ala Ile	Glu Asp Ile Ile Thr	Asp Leu Arg Asn Gln Pro
425	430	435
Tyr Ile Arg Ala	Asp Thr Gly Arg Arg	Ser Ala Arg Arg Arg Pro
440	445	450
Pro Gly Pro Pro	Leu Gln Val Thr Ser	Asp Leu Ser Leu
455	460	

<210> 9

<211> 270

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1988468CD1

<400> 9

Met Ala Asp His	Met Met Ala Met Asn His	Gly Arg Phe Pro Asp
1	5	10
Gly Thr Asn Gly	Leu His His His Pro Ala	His Arg Met Gly Met
20	25	30
Gly Gln Phe Pro	Ser Pro His His His Gln	Gln Gln Gln Pro Gln
35	40	45
His Ala Phe Asn	Ala Leu Met Gly Glu His	Ile His Tyr Gly Ala
50	55	60
Gly Asn Met Asn	Ala Thr Ser Gly Ile Arg	His Ala Met Gly Pro
65	70	75
Gly Thr Val Asn	Gly Gly His Pro Pro Ser	Ala Leu Ala Pro Ala
80	85	90
Ala Arg Phe Asn	Asn Ser Gln Phe Met Gly	Pro Pro Val Ala Ser
95	100	105
Gln Gly Gly Ser	Leu Pro Ala Ser Met Gln	Leu Gln Lys Leu Asn
110	115	120
Asn Gln Tyr Phe	Asn His His Pro Tyr Pro	His Asn His Tyr Met
125	130	135
Pro Asp Leu His	Pro Ala Ala Gly His Gln	Met Asn Gly Thr Asn
140	145	150
Gln His Phe Arg	Asp Cys Asn Pro Lys His	Ser Gly Gly Ser Ser
155	160	165
Thr Pro Gly Gly	Ser Gly Gly Ser Ser Thr	Pro Gly Gly Ser Gly
170	175	180
Ser Ser Ser Gly	Gly Gly Ala Gly Ser Ser	Asn Ser Gly Gly Gly
185	190	195
Ser Gly Ser Gly	Asn Met Pro Ala Ser Val	Ala His Val Pro Ala
200	205	210
Ala Met Leu Pro	Pro Asn Val Ile Asp Thr	Asp Phe Ile Asp Glu
215	220	225

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Glu	Val	Leu	Met	Ser	Leu	Val	Ile	Glu	Met	Gly	Leu	Asp	Arg	Ile
				230					235					240
Lys	Glu	Leu	Pro	Glu	Leu	Trp	Leu	Gly	Gln	Asn	Glu	Phe	Asp	Phe
				245					250					255
Met	Thr	Asp	Phe	Val	Cys	Lys	Gln	Gln	Pro	Ser	Arg	Val	Ser	Cys
				260					265					270

<210> 10
 <211> 255
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2049176CD1

<400> 10

Met	Val	Ser	Trp	Met	Ile	Ser	Arg	Ala	Val	Val	Leu	Val	Phe	Gly
1				5					10					15
Met	Leu	Tyr	Pro	Ala	Tyr	Tyr	Ser	Tyr	Lys	Ala	Val	Lys	Thr	Lys
				20					25					30
Asn	Val	Lys	Glu	Tyr	Val	Arg	Trp	Met	Met	Tyr	Trp	Ile	Val	Phe
				35					40					45
Ala	Leu	Tyr	Thr	Val	Ile	Glu	Thr	Val	Ala	Asp	Gln	Thr	Val	Ala
				50					55					60
Trp	Phe	Pro	Leu	Tyr	Tyr	Glu	Leu	Lys	Ile	Ala	Phe	Val	Ile	Trp
				65					70					75
Leu	Leu	Ser	Pro	Tyr	Thr	Lys	Gly	Ala	Ser	Leu	Ile	Tyr	Arg	Lys
				80					85					90
Phe	Leu	His	Pro	Leu	Leu	Ser	Ser	Lys	Glu	Arg	Glu	Ile	Asp	Asp
				95					100					105
Tyr	Ile	Val	Gln	Ala	Lys	Glu	Arg	Gly	Tyr	Glu	Thr	Met	Val	Asn
				110					115					120
Phe	Gly	Arg	Gln	Gly	Leu	Asn	Leu	Ala	Ala	Thr	Ala	Ala	Val	Thr
				125					130					135
Ala	Ala	Val	Lys	Ser	Gln	Gly	Ala	Ile	Thr	Glu	Arg	Leu	Arg	Ser
				140					145					150
Phe	Ser	Met	His	Asp	Leu	Thr	Thr	Ile	Gln	Gly	Asp	Glu	Pro	Val
				155					160					165
Gly	Gln	Arg	Pro	Tyr	Gln	Pro	Leu	Pro	Glu	Ala	Lys	Lys	Lys	Ser
				170					175					180
Lys	Pro	Ala	Pro	Ser	Glu	Ser	Ala	Gly	Tyr	Gly	Ile	Pro	Leu	Lys
				185					190					195
Asp	Gly	Asp	Glu	Lys	Thr	Asp	Glu	Glu	Ala	Glu	Gly	Pro	Tyr	Ser
				200					205					210
Asp	Asn	Glu	Met	Leu	Thr	His	Lys	Gly	Leu	Arg	Arg	Ser	Gln	Ser
				215					220					225
Met	Lys	Ser	Val	Lys	Thr	Thr	Lys	Gly	Arg	Lys	Glu	Val	Arg	Tyr
				230					235					240
Gly	Ser	Leu	Lys	Tyr	Lys	Val	Lys	Lys	Arg	Pro	Gln	Val	Tyr	Phe
				245					250					255

<210> 11
 <211> 533
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 2686765CD1

<400> 11
 Met Ser Gly Thr Leu Glu Ser Leu Ala Asp Asp Val Ser Ser Met

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1	5	10	15
Gly Ser Asp Ser Glu Ile Asn Gly Leu Ala Leu Arg Lys Thr Asp			
	20	25	30
Lys Tyr Gly Phe Leu Gly Gly Ser Gln Tyr Ser Gly Ser Leu Glu			
	35	40	45
Ser Ser Ile Pro Val Asp Val Ala Arg Gln Arg Glu Leu Lys Trp			
	50	55	60
Leu Asp Met Phe Ser Asn Trp Asp Lys Trp Leu Ser Arg Arg Phe			
	65	70	75
Gln Lys Val Lys Leu Arg Cys Arg Lys Gly Ile Pro Ser Ser Leu			
	80	85	90
Arg Ala Lys Ala Trp Gln Tyr Leu Ser Asn Ser Lys Glu Leu Leu			
	95	100	105
Glu Gln Asn Pro Gly Lys Phe Glu Glu Leu Glu Arg Ala Pro Gly			
	110	115	120
Asp Pro Lys Trp Leu Asp Val Ile Glu Lys Asp Leu His Arg Gln			
	125	130	135
Phe Pro Phe His Glu Met Phe Ala Ala Arg Gly Gly His Gly Gln			
	140	145	150
Gln Asp Leu Tyr Arg Ile Leu Lys Ala Tyr Thr Ile Tyr Arg Pro			
	155	160	165
Asp Glu Gly Tyr Cys Gln Ala Gln Ala Pro Val Ala Ala Val Leu			
	170	175	180
Leu Met His Met Pro Ala Glu Lys Pro Phe Gly Ala Trp Val Gln			
	185	190	195
Ile Cys Asp Lys Tyr Leu Pro Gly Tyr Tyr Ser Ala Gly Leu Glu			
	200	205	210
Ala Ile Gln Leu Asp Gly Glu Ile Phe Phe Ala Leu Leu Arg Arg			
	215	220	225
Ala Ser Pro Leu Ala His Arg His Leu Gln Arg Gln Arg Ile Asp			
	230	235	240
Pro Val Leu Tyr Met Thr Glu Trp Phe Met Cys Ile Phe Ala Arg			
	245	250	255
Thr Leu Pro Trp Ala Ser Val Leu Arg Val Trp Asp Met Phe Phe			
	260	265	270
Cys Glu Gly Val Lys Ile Ile Phe Arg Val Ala Leu Val Leu Leu			
	275	280	285
Arg His Thr Leu Gly Ser Val Glu Lys Leu Arg Ser Cys Gln Gly			
	290	295	300
Met Tyr Glu Thr Met Glu Gln Leu Arg Asn Leu Pro Gln Gln Cys			
	305	310	315
Met Gln Glu Asp Phe Leu Val His Glu Val Thr Asn Leu Pro Val			
	320	325	330
Thr Glu Ala Leu Ile Glu Arg Glu Asn Ala Ala Gln Leu Lys Lys			
	335	340	345
Trp Arg Glu Thr Arg Gly Glu Leu Gln Tyr Arg Pro Ser Arg Arg			
	350	355	360
Leu His Gly Ser Arg Ala Ile His Glu Glu Arg Arg Arg Gln Gln			
	365	370	375
Pro Pro Leu Gly Pro Ser Ser Ser Leu Leu Ser Leu Pro Gly Leu			
	380	385	390
Lys Ser Arg Gly Ser Arg Ala Ala Gly Gly Ala Pro Ser Pro Pro			
	395	400	405
Pro Pro Val Arg Arg Ala Ser Ala Gly Pro Ala Pro Gly Pro Val			
	410	415	420
Val Thr Ala Glu Gly Leu His Pro Ser Leu Pro Ser Pro Thr Gly			
	425	430	435
Asn Ser Thr Pro Leu Gly Ser Ser Lys Glu Thr Arg Lys Gln Glu			
	440	445	450
Lys Glu Arg Gln Lys Gln Glu Lys Glu Arg Gln Lys Gln Glu Lys			
	455	460	465
Glu Arg Glu Lys Glu Arg Gln Lys Gln Lys Glu Arg Glu Lys			
	470	475	480

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Gln Glu Lys Glu Arg Glu Lys Gln Glu Lys Glu Arg Gln Lys Gln
 485 490 495
 Glu Lys Lys Ala Gln Gly Arg Lys Leu Ser Leu Arg Arg Lys Ala
 500 505 510
 Asp Gly Pro Pro Gly Pro His Asp Gly Gly Asp Arg Pro Ser Ala
 515 520 525
 Glu Ala Arg Gln Asp Ala Tyr Phe
 530

<210> 12
 <211> 160
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3215187CD1

<400> 12
 Met Ala Phe Thr Phe Ala Ala Phe Cys Tyr Met Leu Ser Leu Val
 1 5 10 15
 Leu Cys Ala Ala Leu Ile Phe Phe Ala Ile Trp His Ile Ile Ala
 20 25 30
 Phe Asp Glu Leu Arg Thr Asp Phe Lys Ser Pro Ile Asp Gln Cys
 35 40 45
 Asn Pro Val His Ala Arg Glu Arg Leu Arg Asn Ile Glu Arg Ile
 50 55 60
 Cys Phe Leu Leu Arg Lys Leu Val Leu Pro Glu Tyr Ser Ile His
 65 70 75
 Ser Leu Phe Cys Ile Met Phe Leu Cys Ala Gln Glu Trp Leu Thr
 80 85 90
 Leu Gly Leu Asn Val Pro Leu Leu Phe Tyr His Phe Trp Arg Tyr
 95 100 105
 Phe His Cys Pro Ala Asp Ser Ser Glu Leu Ala Tyr Asp Pro Pro
 110 115 120
 Val Val Met Asn Ala Asp Thr Leu Ser Tyr Cys Gln Lys Glu Ala
 125 130 135
 Trp Cys Lys Leu Ala Phe Tyr Leu Leu Ser Phe Phe Tyr Tyr Leu
 140 145 150
 Tyr Cys Met Ile Tyr Thr Leu Val Ser Ser
 155 160

<210> 13
 <211> 531
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 3500375CD1

<400> 13
 Met Ala Asp Val Leu Ser Val Leu Arg Gln Tyr Asn Ile Gln Lys
 1 5 10 15
 Lys Glu Ile Val Val Lys Gly Asp Glu Val Ile Phe Gly Glu Phe
 20 25 30
 Ser Trp Pro Lys Asn Val Lys Thr Asn Tyr Val Val Trp Gly Thr
 35 40 45
 Gly Lys Glu Gly Gln Pro Arg Glu Tyr Tyr Thr Leu Asp Ser Ile
 50 55 60
 Leu Phe Leu Leu Asn Asn Val His Leu Ser His Pro Val Tyr Val
 65 70 75
 Arg Arg Ala Ala Thr Glu Asn Ile Pro Val Val Arg Arg Pro Asp
 80 85 90
 Arg Lys Asp Leu Leu Gly Tyr Leu Asn Gly Glu Ala Ser Thr Ser

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	95		100		105
Ala Ser Ile Asp Arg	Ser Ala Pro Leu	Glu Ile Gly Leu Gln	Arg		
	110		115		120
Ser Thr Gln Val Lys	Arg Ala Ala Asp	Glu Val Leu Ala Glu	Ala		
	125		130		135
Lys Lys Pro Arg Ile	Glu Asp Glu Glu	Cys Val Arg Leu Asp	Lys		
	140		145		150
Glu Arg Leu Ala Ala	Arg Leu Glu Gly	His Lys Glu Gly Ile	Val		
	155		160		165
Gln Thr Glu Gln Ile	Arg Ser Leu Ser	Glu Ala Met Ser Val	Glu		
	170		175		180
Lys Ile Ala Ala Ile	Lys Ala Lys Ile	Met Ala Lys Lys Arg	Ser		
	185		190		195
Thr Ile Lys Thr Asp	Leu Asp Asp Asp	Ile Thr Ala Leu Lys	Gln		
	200		205		210
Arg Ser Phe Val Asp	Ala Glu Val Asp	Val Thr Arg Asp Ile	Val		
	215		220		225
Ser Arg Glu Arg Val	Trp Arg Thr Arg	Thr Thr Ile Leu Gln	Ser		
	230		235		240
Thr Gly Lys Asn Phe	Ser Lys Asn Ile	Phe Ala Ile Leu Gln	Ser		
	245		250		255
Val Lys Ala Arg Glu	Glu Gly Arg Ala	Pro Glu Gln Arg Pro	Ala		
	260		265		270
Pro Asn Ala Ala Pro	Val Asp Pro Thr	Leu Arg Thr Lys Gln	Pro		
	275		280		285
Ile Pro Ala Ala Tyr	Asn Arg Tyr Asp	Gln Glu Arg Phe Lys	Gly		
	290		295		300
Lys Glu Glu Thr Glu	Gly Phe Lys Ile	Asp Thr Met Gly Thr	Tyr		
	305		310		315
His Gly Met Thr Leu	Lys Ser Val Thr	Glu Gly Ala Ser Ala	Arg		
	320		325		330
Lys Thr Gln Thr Pro	Ala Ala Gln Pro	Val Pro Arg Pro Val	Ser		
	335		340		345
Gln Ala Arg Pro Pro	Pro Asn Gln Lys	Lys Gly Ser Arg Thr	Pro		
	350		355		360
Ile Ile Ile Ile Pro	Ala Ala Thr Thr	Ser Leu Ile Thr Met	Leu		
	365		370		375
Asn Ala Lys Asp Leu	Leu Gln Asp Leu	Lys Phe Val Pro Ser	Asp		
	380		385		390
Glu Lys Lys Lys Gln	Gly Cys Gln Arg	Glu Asn Glu Thr Leu	Ile		
	395		400		405
Gln Arg Arg Lys Asp	Gln Met Gln Pro	Gly Gly Thr Ala Ile	Ser		
	410		415		420
Val Thr Val Pro Tyr	Arg Val Val Asp	Gln Pro Leu Lys Leu	Met		
	425		430		435
Pro Gln Asp Trp Asp	Arg Val Val Ala	Val Phe Val Gln Gly	Pro		
	440		445		450
Ala Trp Gln Phe Lys	Gly Trp Pro Trp	Leu Leu Pro Asp Gly	Ser		
	455		460		465
Pro Val Asp Ile Phe	Ala Lys Ile Lys	Ala Phe His Leu Lys	Tyr		
	470		475		480
Asp Glu Val Arg Leu	Asp Pro Asn Val	Gln Lys Trp Asp Val	Thr		
	485		490		495
Val Leu Glu Leu Ser	Tyr His Lys Arg	His Leu Asp Arg Pro	Val		
	500		505		510
Phe Leu Arg Phe Trp	Glu Thr Leu Asp	Arg Tyr Met Val Lys	His		
	515		520		525
Lys Ser His Leu Arg	Phe				
	530				

<210> 14

<211> 165

<212> PRT

<213> Homo sapiens

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<220>
 <221> misc_feature
 <223> Incyte ID No: 5080410CD1

<400> 14

Met	Ala	Ser	Met	Arg	Glu	Ser	Asp	Thr	Gly	Leu	Trp	Leu	His	Asn
1				5					10					15
Lys	Leu	Gly	Ala	Thr	Asp	Glu	Leu	Trp	Ala	Pro	Pro	Ser	Ile	Ala
				20					25					30
Ser	Leu	Leu	Thr	Ala	Ala	Val	Ile	Asp	Asn	Ile	Arg	Leu	Cys	Phe
				35					40					45
His	Gly	Leu	Ser	Ser	Ala	Val	Lys	Leu	Lys	Leu	Leu	Leu	Gly	Thr
				50					55					60
Leu	His	Leu	Pro	Arg	Arg	Thr	Val	Asp	Glu	His	Pro	Ile	Leu	Pro
				65					70					75
Met	Lys	Gly	Ala	Leu	Met	Glu	Ile	Ile	Gln	Leu	Ala	Ser	Leu	Asp
				80					85					90
Ser	Asp	Pro	Trp	Val	Leu	Met	Val	Ala	Asp	Ile	Leu	Lys	Ser	Phe
				95					100					105
Pro	Asp	Thr	Gly	Ser	Leu	Asn	Leu	Glu	Leu	Glu	Glu	Gln	Asn	Pro
				110					115					120
Asn	Val	Gln	Asp	Ile	Leu	Gly	Glu	Leu	Arg	Glu	Lys	Val	Gly	Glu
				125					130					135
Cys	Glu	Ala	Ser	Ala	Met	Leu	Pro	Leu	Glu	Cys	Gln	Tyr	Leu	Asn
				140					145					150
Lys	Asn	Ala	Ala	Asp	Asp	Pro	Arg	Gly	Thr	Pro	His	Ser	Pro	Gly
				155					160					165

<210> 15
 <211> 199
 <212> PRT
 <213> Homo sapiens

<220>
 <221> misc_feature
 <223> Incyte ID No: 5218248CD1

<400> 15

Met	Ser	Asn	Met	Glu	Lys	His	Leu	Phe	Asn	Leu	Lys	Phe	Ala	Ala
1				5					10					15
Lys	Glu	Leu	Ser	Arg	Ser	Ala	Lys	Lys	Cys	Asp	Lys	Glu	Glu	Lys
				20					25					30
Ala	Glu	Lys	Ala	Lys	Ile	Lys	Lys	Ala	Ile	Gln	Lys	Gly	Asn	Met
				35					40					45
Glu	Val	Ala	Arg	Ile	His	Ala	Glu	Asn	Ala	Ile	Arg	Gln	Lys	Asn
				50					55					60
Gln	Ala	Val	Asn	Phe	Leu	Arg	Met	Ser	Ala	Arg	Val	Asp	Ala	Val
				65					70					75
Ala	Ala	Arg	Val	Gln	Thr	Ala	Val	Thr	Met	Gly	Lys	Val	Thr	Lys
				80					85					90
Ser	Met	Ala	Gly	Val	Val	Lys	Ser	Met	Asp	Ala	Thr	Leu	Lys	Thr
				95					100					105
Met	Asn	Leu	Glu	Lys	Ile	Ser	Ala	Leu	Met	Asp	Lys	Phe	Glu	His
				110					115					120
Gln	Phe	Glu	Thr	Leu	Asp	Val	Gln	Thr	Gln	Gln	Met	Glu	Asp	Thr
				125					130					135
Met	Ser	Ser	Thr	Thr	Thr	Leu	Thr	Thr	Pro	Gln	Asn	Gln	Val	Asp
				140					145					150
Met	Leu	Leu	Gln	Glu	Met	Ala	Asp	Glu	Ala	Gly	Leu	Asp	Leu	Asn
				155					160					165
Met	Glu	Leu	Pro	Gln	Gly	Gln	Thr	Gly	Ser	Val	Gly	Thr	Ser	Val
				170					175					180
Ala	Ser	Ala	Glu	Gln	Asp	Glu	Leu	Ser	Gln	Arg	Leu	Ala	Arg	Leu

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Arg Asp Gln Val 185 190 195

<210> 16
 <211> 168
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte ID No: 058336CD1

<400> 16
 Met Ala Phe Asn Asp Cys Phe Ser Leu Asn Tyr Pro Gly Asn Pro
 1 5 10 15
 Cys Pro Gly Asp Leu Ile Glu Val Phe Arg Pro Gly Tyr Gln His
 20 25 30
 Trp Ala Leu Tyr Leu Gly Asp Gly Tyr Val Ile Asn Ile Ala Pro
 35 40 45
 Val Asp Gly Ile Pro Ala Ser Phe Thr Ser Ala Lys Ser Val Phe
 50 55 60
 Ser Ser Lys Ala Leu Val Lys Met Gln Leu Leu Lys Asp Val Val
 65 70 75
 Gly Asn Asp Thr Tyr Arg Ile Asn Asn Lys Tyr Asp Glu Thr Tyr
 80 85 90
 Pro Pro Leu Pro Val Glu Glu Ile Ile Lys Arg Ser Glu Phe Val
 95 100 105
 Ile Gly Gln Glu Val Ala Tyr Asn Leu Leu Val Asn Asn Cys Glu
 110 115 120
 His Phe Val Thr Leu Leu Arg Tyr Gly Glu Gly Val Ser Glu Gln
 125 130 135
 Ala Asn Arg Ala Ile Ser Thr Val Glu Phe Val Thr Ala Ala Val
 140 145 150
 Gly Val Phe Ser Phe Leu Gly Leu Phe Pro Lys Gly Gln Arg Ala
 155 160 165
 Lys Tyr Tyr

<210> 17
 <211> 162
 <212> PRT
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <223> Incyte ID No: 1511488CD1

<400> 17
 Met Leu Arg Ala Val Gly Ser Leu Leu Arg Leu Gly Arg Gly Leu
 1 5 10 15
 Thr Val Arg Cys Gly Pro Gly Ala Pro Leu Glu Ala Thr Arg Arg
 20 25 30
 Pro Ala Pro Ala Leu Pro Pro Arg Gly Leu Pro Cys Tyr Ser Ser
 35 40 45
 Gly Gly Ala Pro Ser Asn Ser Gly Pro Gln Gly His Gly Glu Ile
 50 55 60
 His Arg Val Pro Thr Gln Arg Arg Pro Ser Gln Phe Asp Lys Lys
 65 70 75
 Ile Leu Leu Trp Thr Gly Arg Phe Lys Ser Met Glu Glu Ile Pro
 80 85 90
 Pro Arg Ile Pro Pro Glu Met Ile Asp Thr Ala Arg Asn Lys Ala
 95 100 105
 Arg Val Lys Ala Cys Tyr Ile Met Ile Gly Leu Thr Ile Ile Ala
 110 115 120

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Cys	Phe	Ala	Val	Ile	Val	Ser	Ala	Lys	Arg	Ala	Val	Glu	Arg	His
				125					130					135
Glu	Ser	Leu	Thr	Ser	Trp	Asn	Leu	Ala	Lys	Lys	Ala	Lys	Trp	Arg
				140					145					150
Glu	Glu	Ala	Ala	Leu	Ala	Ala	Gln	Ala	Lys	Ala	Lys			
				155					160					

<210> 18

<211> 246

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1638819CD1

<400> 18

Met	Ala	Gly	Tyr	Leu	Lys	Leu	Val	Cys	Val	Ser	Phe	Gln	Arg	Gln
1				5					10					15
Gly	Phe	His	Thr	Val	Gly	Ser	Arg	Cys	Lys	Asn	Arg	Thr	Gly	Ala
				20					25					30
Glu	His	Leu	Trp	Leu	Thr	Arg	His	Leu	Arg	Asp	Pro	Phe	Val	Lys
				35					40					45
Ala	Ala	Lys	Val	Glu	Ser	Tyr	Arg	Cys	Arg	Ser	Ala	Phe	Lys	Leu
				50					55					60
Leu	Glu	Val	Asn	Glu	Arg	His	Gln	Ile	Leu	Arg	Pro	Gly	Leu	Arg
				65					70					75
Val	Leu	Asp	Cys	Gly	Ala	Ala	Pro	Gly	Ala	Trp	Ser	Gln	Val	Ala
				80					85					90
Val	Gln	Lys	Val	Asn	Ala	Ala	Gly	Thr	Asp	Pro	Ser	Ser	Pro	Val
				95					100					105
Gly	Phe	Val	Leu	Gly	Val	Asp	Leu	Leu	His	Ile	Phe	Pro	Leu	Glu
				110					115					120
Gly	Ala	Thr	Phe	Leu	Cys	Pro	Ala	Asp	Val	Thr	Asp	Pro	Arg	Thr
				125					130					135
Ser	Gln	Arg	Ile	Leu	Glu	Val	Leu	Pro	Gly	Arg	Arg	Ala	Asp	Val
				140					145					150
Ile	Leu	Ser	Asp	Met	Ala	Pro	Asn	Ala	Thr	Gly	Phe	Arg	Asp	Leu
				155					160					165
Asp	His	Asp	Arg	Leu	Ile	Ser	Leu	Cys	Leu	Thr	Leu	Leu	Ser	Val
				170					175					180
Thr	Pro	Asp	Ile	Leu	Gln	Pro	Gly	Gly	Thr	Phe	Leu	Cys	Lys	Thr
				185					190					195
Trp	Ala	Gly	Ser	Gln	Ser	Arg	Arg	Leu	Gln	Arg	Arg	Leu	Thr	Glu
				200					205					210
Glu	Phe	Gln	Asn	Val	Arg	Ile	Ile	Lys	Pro	Glu	Ala	Ser	Arg	Lys
				215					220					225
Glu	Ser	Ser	Glu	Val	Tyr	Phe	Leu	Ala	Thr	Gln	Tyr	His	Gly	Arg
				230					235					240
Lys	Gly	Thr	Val	Lys	Gln									
				245										

<210> 19

<211> 483

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1655123CD1

<400> 19

Met	Glu	Glu	Gly	Gly	Gly	Gly	Val	Arg	Ser	Leu	Val	Pro	Gly	Gly
1				5					10					15
Pro	Val	Leu	Leu	Val	Leu	Cys	Gly	Leu	Leu	Glu	Ala	Ser	Gly	Gly

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	20		25		30
Gly Arg Ala Leu Pro Gln Leu Ser Asp Asp Ile Pro Phe Arg Val					
	35		40		45
Asn Trp Pro Gly Thr Glu Phe Ser Leu Pro Thr Thr Gly Val Leu					
	50		55		60
Tyr Lys Glu Asp Asn Tyr Val Ile Met Thr Thr Ala His Lys Glu					
	65		70		75
Lys Tyr Lys Cys Ile Leu Pro Leu Val Thr Ser Gly Asp Glu Glu					
	80		85		90
Glu Glu Lys Asp Tyr Lys Gly Pro Asn Pro Arg Glu Leu Leu Glu					
	95		100		105
Pro Leu Phe Lys Gln Ser Ser Cys Ser Tyr Arg Ile Glu Ser Tyr					
	110		115		120
Trp Thr Tyr Glu Val Cys His Gly Lys His Ile Arg Gln Tyr His					
	125		130		135
Glu Glu Lys Glu Thr Gly Gln Lys Ile Asn Ile His Glu Tyr Tyr					
	140		145		150
Leu Gly Asn Met Leu Ala Lys Asn Leu Leu Phe Glu Lys Glu Arg					
	155		160		165
Glu Ala Glu Glu Lys Glu Lys Ser Asn Glu Ile Pro Thr Lys Asn					
	170		175		180
Ile Glu Gly Gln Met Thr Pro Tyr Tyr Pro Val Gly Met Gly Asn					
	185		190		195
Gly Thr Pro Cys Ser Leu Lys Gln Asn Arg Pro Arg Ser Ser Thr					
	200		205		210
Val Met Tyr Ile Cys His Pro Glu Ser Lys His Glu Ile Leu Ser					
	215		220		225
Val Ala Glu Val Thr Thr Cys Glu Tyr Glu Val Val Ile Leu Thr					
	230		235		240
Pro Leu Leu Cys Ser His Pro Lys Tyr Arg Phe Arg Ala Ser Pro					
	245		250		255
Val Asn Asp Ile Phe Cys Gln Ser Leu Pro Gly Ser Pro Phe Lys					
	260		265		270
Pro Leu Thr Leu Arg Gln Leu Glu Gln Gln Glu Glu Ile Leu Arg					
	275		280		285
Val Pro Phe Arg Arg Asn Lys Glu Glu Asp Leu Gln Ser Thr Lys					
	290		295		300
Glu Glu Arg Phe Pro Ala Ile His Lys Ser Ile Ala Ile Gly Ser					
	305		310		315
Gln Pro Val Leu Thr Val Gly Thr Thr His Ile Ser Lys Leu Thr					
	320		325		330
Asp Asp Gln Leu Ile Lys Glu Phe Leu Ser Gly Ser Tyr Cys Phe					
	335		340		345
Arg Gly Gly Val Gly Trp Trp Lys Tyr Glu Phe Cys Tyr Gly Lys					
	350		355		360
His Val His Gln Tyr His Glu Asp Lys Asp Ser Gly Lys Thr Ser					
	365		370		375
Val Val Val Gly Thr Trp Asn Gln Glu Glu His Ile Glu Trp Ala					
	380		385		390
Lys Lys Asn Thr Ala Arg Ala Tyr His Leu Gln Asp Asp Gly Thr					
	395		400		405
Gln Thr Val Arg Met Val Ser His Phe Tyr Gly Asn Gly Asp Ile					
	410		415		420
Cys Asp Ile Thr Asp Lys Pro Arg Gln Val Thr Val Lys Leu Lys					
	425		430		435
Cys Lys Glu Ser Asp Ser Pro His Ala Val Thr Val Tyr Met Leu					
	440		445		450
Glu Pro His Ser Cys Gln Tyr Ile Leu Gly Val Glu Ser Pro Val					
	455		460		465
Ile Cys Lys Ile Leu Asp Thr Ala Asp Glu Asn Gly Leu Leu Ser					
	470		475		480
Leu Pro Asn					

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<210> 20
<211> 280
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2553926CD1

<400> 20
Met Glu Ala Ala Glu Thr Glu Ala Glu Ala Ala Ala Leu Glu Val
1 5 10 15
Leu Ala Glu Val Ala Gly Ile Leu Glu Pro Val Gly Leu Gln Glu
20 25 30
Glu Ala Glu Leu Pro Ala Lys Ile Leu Val Glu Phe Val Val Asp
35 40 45
Ser Gln Lys Lys Asp Lys Leu Leu Cys Ser Gln Leu Gln Val Ala
50 55 60
Asp Phe Leu Gln Asn Ile Leu Ala Gln Glu Asp Thr Ala Lys Gly
65 70 75
Leu Asp Pro Leu Ala Ser Glu Asp Thr Ser Arg Gln Lys Ala Ile
80 85 90
Ala Ala Lys Glu Gln Trp Lys Glu Leu Lys Ala Thr Tyr Arg Glu
95 100 105
His Val Glu Ala Ile Lys Ile Gly Leu Thr Lys Ala Leu Thr Gln
110 115 120
Met Glu Glu Ala Gln Arg Lys Arg Thr Gln Leu Arg Glu Ala Phe
125 130 135
Glu Gln Leu Gln Ala Lys Lys Gln Met Ala Met Glu Lys Arg Arg
140 145 150
Ala Val Gln Asn Gln Trp Gln Leu Gln Gln Glu Lys His Leu Gln
155 160 165
His Leu Ala Glu Val Ser Ala Glu Val Arg Glu Arg Lys Thr Gly
170 175 180
Thr Gln Gln Glu Leu Asp Gly Val Phe Gln Lys Leu Gly Asn Leu
185 190 195
Lys Gln Gln Ala Glu Gln Glu Arg Asp Lys Leu Gln Arg Tyr Gln
200 205 210
Thr Phe Leu Gln Leu Leu Tyr Thr Leu Gln Gly Lys Leu Leu Phe
215 220 225
Pro Glu Ala Glu Ala Glu Ala Glu Asn Leu Pro Asp Asp Lys Pro
230 235 240
Gln Gln Pro Thr Arg Pro Gln Glu Gln Ser Thr Gly Asp Thr Met
245 250 255
Gly Arg Asp Pro Gly Val Ser Phe Lys Phe Ser Lys Ala Val Gly
260 265 270
Leu Gln Pro Ala Gly Asp Val Asn Leu Pro
275 280

<210> 21
<211> 425
<212> PRT
<213> Homo sapiens

<220>
<221> misc_feature
<223> Incyte ID No: 2800717CD1

<400> 21
Met Gly Glu Asp Ala Ala Gln Ala Glu Lys Phe Gln His Pro Gly
1 5 10 15
Ser Asp Met Arg Gln Glu Lys Pro Ser Ser Pro Ser Pro Met Pro
20 25 30
Ser Ser Thr Pro Ser Pro Ser Leu Asn Leu Gly Asn Thr Glu Glu

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	35		40		45									
Ala	Ile	Arg	Asp	Asn	Ser	Gln	Val	Asn	Ala	Val	Thr	Val	Leu	Thr
	50								55					60
Leu	Leu	Asp	Lys	Leu	Val	Asn	Met	Leu	Asp	Ala	Val	Gln	Glu	Asn
	65								70					75
Gln	His	Lys	Met	Glu	Gln	Arg	Gln	Ile	Ser	Leu	Glu	Gly	Ser	Val
	80								85					90
Lys	Gly	Ile	Gln	Asn	Asp	Leu	Thr	Lys	Leu	Ser	Lys	Tyr	Gln	Ala
	95								100					105
Ser	Thr	Ser	Asn	Thr	Val	Ser	Lys	Leu	Leu	Glu	Lys	Ser	Arg	Lys
	110								115					120
Val	Ser	Ala	His	Thr	Arg	Ala	Val	Lys	Glu	Arg	Met	Asp	Arg	Gln
	125								130					135
Cys	Ala	Gln	Val	Lys	Arg	Leu	Glu	Asn	Asn	His	Ala	Gln	Leu	Leu
	140								145					150
Arg	Arg	Asn	His	Phe	Lys	Val	Leu	Ile	Phe	Gln	Glu	Glu	Asn	Glu
	155								160					165
Ile	Pro	Ala	Ser	Val	Phe	Val	Lys	Gln	Pro	Val	Ser	Gly	Ala	Val
	170								175					180
Glu	Gly	Lys	Glu	Glu	Leu	Pro	Asp	Glu	Asn	Lys	Ser	Leu	Glu	Glu
	185								190					195
Thr	Leu	His	Thr	Val	Asp	Leu	Ser	Ser	Asp	Asp	Asp	Leu	Pro	His
	200								205					210
Asp	Glu	Glu	Ala	Leu	Glu	Asp	Ser	Ala	Glu	Glu	Lys	Val	Glu	Glu
	215								220					225
Ser	Arg	Ala	Glu	Lys	Ile	Lys	Arg	Ser	Ser	Leu	Lys	Lys	Val	Asp
	230								235					240
Ser	Leu	Lys	Lys	Ala	Phe	Ser	Arg	Gln	Asn	Ile	Glu	Lys	Lys	Met
	245								250					255
Asn	Lys	Leu	Gly	Thr	Lys	Ile	Val	Ser	Val	Glu	Arg	Arg	Glu	Lys
	260								265					270
Ile	Lys	Lys	Ser	Leu	Thr	Ser	Asn	His	Gln	Lys	Ile	Ser	Ser	Gly
	275								280					285
Lys	Ser	Ser	Pro	Phe	Lys	Val	Ser	Pro	Leu	Thr	Phe	Gly	Arg	Lys
	290								295					300
Lys	Val	Arg	Glu	Gly	Glu	Ser	His	Ala	Glu	Asn	Glu	Thr	Lys	Ser
	305								310					315
Glu	Asp	Leu	Pro	Ser	Ser	Glu	Gln	Met	Pro	Asn	Asp	Gln	Glu	Glu
	320								325					330
Glu	Ser	Phe	Ala	Glu	Gly	His	Ser	Glu	Ala	Ser	Leu	Ala	Ser	Ala
	335								340					345
Leu	Val	Glu	Gly	Glu	Ile	Ala	Glu	Glu	Ala	Ala	Glu	Lys	Ala	Thr
	350								355					360
Ser	Arg	Gly	Ser	Asn	Ser	Gly	Met	Asp	Ser	Asn	Ile	Asp	Leu	Thr
	365								370					375
Ile	Val	Glu	Asp	Glu	Glu	Glu	Glu	Ser	Val	Ala	Leu	Glu	Gln	Ala
	380								385					390
Gln	Lys	Val	Arg	Tyr	Glu	Gly	Ser	Tyr	Ala	Leu	Thr	Ser	Glu	Glu
	395								400					405
Ala	Glu	Arg	Ser	Asp	Gly	Asp	Pro	Val	Gln	Pro	Ala	Val	Leu	Gln
	410								415					420
Val	His	Gln	Thr	Ser										
	425													

<210> 22

<211> 128

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5664154CD1

<400> 22

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Met Glu Ser Lys Glu Glu Arg Ala Leu Asn Asn Leu Ile Val Glu
 1          5          10          15
Asn Val Asn Gln Glu Asn Asp Glu Lys Asp Glu Lys Glu Gln Val
          20          25          30
Ala Asn Lys Gly Glu Pro Leu Ala Leu Pro Leu Asn Val Ser Glu
          35          40          45
Tyr Cys Val Pro Arg Gly Asn Arg Arg Arg Phe Arg Val Arg Gln
          50          55          60
Pro Ile Leu Gln Tyr Arg Trp Asp Ile Met His Arg Leu Gly Glu
          65          70          75
Pro Gln Ala Arg Met Arg Glu Glu Asn Met Glu Arg Ile Gly Glu
          80          85          90
Glu Val Arg Gln Leu Met Glu Lys Leu Arg Glu Lys Gln Leu Ser
          95          100          105
His Ser Leu Arg Ala Val Ser Thr Asp Pro Pro His His Asp His
          110          115          120
His Asp Glu Phe Cys Leu Met Pro
          125

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<210> 23

<211> 113

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 017900CD1

<400> 23

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Met Asp Gly Arg Val Gln Leu Ile Lys Ala Leu Leu Ala Leu Pro
 1          5          10          15
Ile Arg Pro Ala Thr Arg Arg Trp Arg Asn Pro Ile Pro Phe Pro
          20          25          30
Glu Thr Phe Asp Gly Asp Thr Asp Arg Leu Pro Glu Phe Ile Val
          35          40          45
Gln Thr Gly Ser Tyr Met Phe Val Asp Glu Asn Thr Phe Ser Ser
          50          55          60
Asp Ala Leu Lys Val Thr Phe Leu Ile Thr Arg Leu Thr Gly Pro
          65          70          75
Ala Leu Gln Trp Val Ile Pro Tyr Ile Lys Lys Glu Ser Pro Leu
          80          85          90
Leu Asn Asp Tyr Arg Gly Phe Leu Ala Glu Met Lys Arg Val Phe
          95          100          105
Gly Trp Glu Glu Asp Glu Asp Phe
          110

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<210> 24

<211> 308

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 035102CD1

<400> 24

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Met Leu Gln Thr Pro Glu Ser Arg Gly Leu Pro Val Pro Gln Ala
 1          5          10          15
Glu Gly Glu Lys Asp Gly Gly His Asp Gly Glu Thr Arg Ala Pro
          20          25          30
Thr Ala Ser Gln Glu Arg Pro Lys Glu Glu Leu Gly Ala Gly Arg
          35          40          45
Glu Glu Gly Ala Ala Glu Pro Ala Leu Thr Arg Lys Gly Ala Arg
          50          55          60
Ala Leu Ala Ala Lys Ser Leu Ala Arg Arg Arg Ala Tyr Arg Arg

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65	70	75
Leu Asn Arg Thr Val	Ala Glu Leu Val Gln Phe Leu Leu Val	Lys
80	85	90
Asp Lys Lys Lys Ser	Pro Ile Thr Arg Ser Glu Met Val Lys	Tyr
95	100	105
Val Ile Gly Asp Leu	Lys Ile Leu Phe Pro Asp Ile Ile Ala	Arg
110	115	120
Ala Ala Glu His Leu	Arg Tyr Val Phe Gly Phe Glu Leu Lys	Gln
125	130	135
Phe Asp Arg Lys His	His Thr Tyr Ile Leu Ile Asn Lys Leu	Lys
140	145	150
Pro Leu Glu Glu Glu	Glu Glu Glu Glu Asp Leu Gly Gly Asp	Gly
155	160	165
Pro Arg Leu Gly Leu	Leu Met Met Ile Leu Gly Leu Ile Tyr	Met
170	175	180
Arg Gly Asn Ser Ala	Arg Glu Ala Gln Val Trp Glu Met Leu	Arg
185	190	195
Arg Leu Gly Val Gln	Pro Ser Lys Tyr His Phe Leu Phe Gly	Tyr
200	205	210
Pro Lys Arg Leu Ile	Met Glu Asp Phe Val Gln Gln Arg Tyr	Leu
215	220	225
Ser Tyr Arg Arg Val	Pro His Thr Asn Pro Pro Ala Tyr Glu	Phe
230	235	240
Ser Trp Gly Pro Arg	Ser Asn Leu Glu Ile Ser Lys Met Glu	Val
245	250	255
Leu Gly Phe Val Ala	Lys Leu His Lys Lys Glu Pro Gln His	Trp
260	265	270
Pro Val Gln Tyr Arg	Glu Ala Leu Ala Asp Glu Ala Asp Arg	Ala
275	280	285
Arg Ala Lys Ala Arg	Ala Glu Ala Ser Met Arg Ala Arg Ala	Ser
290	295	300
Ala Arg Ala Gly Ile	His Leu Trp	
305		

<210> 25

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 259983CD1

<400> 25

Met Phe Gly Phe His	Lys Pro Lys Met Tyr Arg Ser Ile Glu Gly	
1	5	10
Cys Cys Ile Cys Arg	Ala Lys Ser Ser Ser Arg Phe Thr Asp	15
20	25	30
Ser Lys Arg Tyr Glu	Lys Asp Phe Gln Ser Cys Phe Gly Leu His	35
35	40	45
Glu Thr Arg Ser Gly	Asp Ile Cys Asn Ala Cys Val Leu Leu Val	50
50	55	60
Lys Arg Trp Lys Lys	Leu Pro Ala Gly Ser Lys Lys Asn Trp Asn	65
65	70	75
His Val Val Asp Ala	Arg Ala Gly Pro Ser Leu Lys Thr Thr Leu	80
80	85	90
Lys Pro Lys Lys Val	Lys Thr Leu Ser Gly Asn Arg Ile Lys Ser	95
95	100	105
Asn Gln Ile Ser Lys	Leu Gln Lys Glu Phe Lys Arg His Asn Ser	110
110	115	120
Asp Ala His Ser Thr	Thr Ser Ser Ala Ser Pro Ala Gln Ser Pro	125
125	130	135
Cys Tyr Ser Asn Gln	Ser Asp Asp Gly Ser Asp Thr Glu Met Ala	140
140	145	150

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Ser	Gly	Ser	Asn	Arg	Thr	Pro	Val	Phe	Ser	Phe	Leu	Asp	Leu	Thr
				155					160					165
Tyr	Trp	Lys	Arg	Gln	Lys	Ile	Cys	Cys	Gly	Ile	Ile	Tyr	Lys	Gly
				170					175					180
Arg	Phe	Gly	Glu	Val	Leu	Ile	Asp	Thr	His	Leu	Phe	Lys	Pro	Cys
				185					190					195
Cys	Ser	Asn	Lys	Lys	Ala	Ala	Ala	Glu	Lys	Pro	Glu	Glu	Gln	Gly
				200					205					210
Pro	Glu	Pro	Leu	Pro	Ile	Ser	Thr	Gln	Glu	Trp				
				215					220					

<210> 26

<211> 402

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 926810CD1

<400> 26

Met	Ala	Ser	Ile	Ile	Ala	Arg	Val	Gly	Asn	Ser	Arg	Arg	Leu	Asn
1				5					10					15
Ala	Pro	Leu	Pro	Pro	Trp	Ala	His	Ser	Met	Leu	Arg	Ser	Leu	Gly
				20					25					30
Arg	Ser	Leu	Gly	Pro	Ile	Met	Ala	Ser	Met	Ala	Asp	Arg	Asn	Met
				35					40					45
Lys	Leu	Phe	Ser	Gly	Arg	Val	Val	Pro	Ala	Gln	Gly	Glu	Glu	Thr
				50					55					60
Phe	Glu	Asn	Trp	Leu	Thr	Gln	Val	Asn	Gly	Val	Leu	Pro	Asp	Trp
				65					70					75
Asn	Met	Ser	Glu	Glu	Glu	Lys	Leu	Lys	Arg	Leu	Met	Lys	Thr	Leu
				80					85					90
Arg	Gly	Pro	Ala	Arg	Glu	Val	Met	Arg	Val	Leu	Gln	Ala	Thr	Asn
				95					100					105
Pro	Asn	Leu	Ser	Val	Ala	Asp	Phe	Leu	Arg	Ala	Met	Lys	Leu	Val
				110					115					120
Phe	Gly	Glu	Ser	Glu	Ser	Ser	Val	Thr	Ala	His	Gly	Lys	Phe	Phe
				125					130					135
Asn	Thr	Leu	Gln	Ala	Gln	Gly	Glu	Lys	Ala	Ser	Leu	Tyr	Val	Ile
				140					145					150
Arg	Leu	Glu	Val	Gln	Leu	Gln	Asn	Ala	Ile	Gln	Ala	Gly	Ile	Ile
				155					160					165
Ala	Glu	Lys	Asp	Ala	Asn	Arg	Thr	Arg	Leu	Gln	Gln	Leu	Leu	Leu
				170					175					180
Gly	Gly	Glu	Leu	Ser	Arg	Asp	Leu	Arg	Leu	Arg	Leu	Lys	Asp	Phe
				185					190					195
Leu	Arg	Met	Tyr	Ala	Asn	Glu	Gln	Glu	Arg	Leu	Pro	Asn	Phe	Leu
				200					205					210
Glu	Leu	Ile	Arg	Met	Val	Arg	Glu	Glu	Glu	Asp	Trp	Asp	Asp	Ala
				215					220					225
Phe	Ile	Lys	Arg	Lys	Arg	Pro	Lys	Arg	Ser	Glu	Ser	Met	Val	Glu
				230					235					240
Arg	Ala	Val	Ser	Pro	Val	Ala	Phe	Gln	Gly	Ser	Pro	Pro	Ile	Val
				245					250					255
Ile	Gly	Ser	Ala	Asp	Cys	Asn	Val	Ile	Glu	Ile	Asp	Asp	Thr	Leu
				260					265					270
Asp	Asp	Ser	Asp	Glu	Asp	Val	Ile	Leu	Val	Glu	Ser	Gln	Asp	Pro
				275					280					285
Pro	Leu	Pro	Ser	Trp	Gly	Ala	Pro	Pro	Leu	Arg	Asp	Arg	Ala	Arg
				290					295					300
Pro	Gln	Asp	Glu	Val	Leu	Val	Ile	Asp	Ser	Pro	His	Asn	Ser	Arg
				305					310					315
Ala	Gln	Phe	Pro	Ser	Thr	Ser	Gly	Gly	Ser	Gly	Tyr	Lys	Asn	Asn

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	320		325		330
Gly Pro Gly Glu Met Arg Arg Ala Arg		Lys Arg Lys His Thr		Ile	
	335		340		345
Arg Cys Ser Tyr Cys Gly Glu Glu Gly		His Ser Lys Glu Thr		Cys	
	350		355		360
Asp Asn Glu Ser Asp Lys Ala Gln Val		Phe Glu Asn Leu Ile		Ile	
	365		370		375
Thr Leu Gln Glu Leu Thr His Thr Glu		Met Glu Arg Ser Arg		Val	
	380		385		390
Ala Pro Gly Glu Tyr Asn Asp Phe Ser		Glu Pro Leu			
	395		400		

<210> 27

<211> 93

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1398816CD1

<400> 27

Met Ser Thr Asp Thr Gly Val Ser Leu Pro		Ser Tyr Glu Glu Asp	
1	5	10	15
Gln Gly Ser Lys Leu Ile Arg Lys Ala Lys		Glu Ala Pro Phe Val	
	20	25	30
Pro Val Gly Ile Ala Gly Phe Ala Ala Ile		Val Ala Tyr Gly Leu	
	35	40	45
Tyr Lys Leu Lys Ser Arg Gly Asn Thr Lys		Met Ser Ile His Leu	
	50	55	60
Ile His Met Arg Val Ala Ala Gln Gly Phe		Val Val Gly Ala Met	
	65	70	75
Thr Val Gly Met Gly Tyr Ser Met Tyr Arg		Glu Phe Trp Ala Lys	
	80	85	90
Pro Lys Pro			

<210> 28

<211> 353

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1496820CD1

<400> 28

Met Asn Arg Glu Asp Arg Asn Val Leu Arg		Met Lys Glu Arg Glu	
1	5	10	15
Arg Arg Asn Gln Glu Ile Gln Gln Gly Glu		Asp Ala Phe Pro Pro	
	20	25	30
Ser Ser Pro Leu Phe Ala Glu Pro Tyr Lys		Val Thr Ser Lys Glu	
	35	40	45
Asp Lys Leu Ser Ser Arg Ile Gln Ser Met		Leu Gly Asn Tyr Asp	
	50	55	60
Glu Met Lys Asp Phe Ile Gly Asp Arg Ser		Ile Pro Lys Leu Val	
	65	70	75
Ala Ile Pro Lys Pro Thr Val Pro Pro Ser		Ala Asp Glu Lys Ser	
	80	85	90
Asn Pro Asn Phe Phe Glu Gln Arg His Gly		Gly Ser His Gln Ser	
	95	100	105
Ser Lys Trp Thr Pro Val Gly Pro Ala Pro		Ser Thr Ser Gln Ser	
	110	115	120
Gln Lys Arg Ser Ser Gly Leu Gln Ser Gly		His Ser Ser Gln Arg	
	125	130	135

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Thr	Ser	Ala	Gly	Ser	Ser	Ser	Gly	Thr	Asn	Ser	Ser	Gly	Gln	Arg
				140					145					150
His	Asp	Arg	Glu	Ser	Tyr	Asn	Asn	Ser	Gly	Ser	Ser	Ser	Arg	Lys
				155					160					165
Lys	Gly	Gln	His	Gly	Ser	Glu	His	Ser	Lys	Ser	Arg	Ser	Ser	Ser
				170					175					180
Pro	Gly	Lys	Pro	Gln	Ala	Val	Ser	Ser	Leu	Asn	Ser	Ser	His	Ser
				185					190					195
Arg	Ser	His	Gly	Asn	Asp	His	His	Ser	Lys	Glu	His	Gln	Arg	Ser
				200					205					210
Lys	Ser	Pro	Arg	Asp	Pro	Asp	Ala	Asn	Trp	Asp	Ser	Pro	Ser	Arg
				215					220					225
Val	Pro	Phe	Ser	Ser	Gly	Gln	His	Ser	Thr	Gln	Ser	Phe	Pro	Pro
				230					235					240
Ser	Leu	Met	Ser	Lys	Ser	Asn	Ser	Met	Leu	Gln	Lys	Pro	Thr	Ala
				245					250					255
Tyr	Val	Arg	Pro	Met	Asp	Gly	Gln	Glu	Ser	Met	Glu	Pro	Lys	Leu
				260					265					270
Ser	Ser	Glu	His	Tyr	Ser	Ser	Gln	Ser	His	Gly	Asn	Ser	Met	Thr
				275					280					285
Glu	Leu	Lys	Pro	Ser	Ser	Lys	Ala	His	Leu	Thr	Lys	Leu	Lys	Ile
				290					295					300
Pro	Ser	Gln	Pro	Leu	Asp	Ala	Ser	Ala	Ser	Gly	Asp	Val	Ser	Cys
				305					310					315
Val	Asp	Glu	Ile	Leu	Lys	Glu	Met	Thr	His	Ser	Trp	Pro	Pro	Pro
				320					325					330
Leu	Thr	Ala	Ile	His	Thr	Pro	Cys	Lys	Thr	Glu	Pro	Ser	Lys	Phe
				335					340					345
Pro	Phe	Pro	Thr	Lys	Val	Ser	Lys							
				350										

<210> 29

<211> 120

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1514559CD1

<400> 29

Met	Ser	Glu	Pro	Ala	Gly	Asp	Val	Arg	Gln	Asn	Pro	Cys	Gly	Ser
1				5					10					15
Lys	Ala	Cys	Arg	Arg	Leu	Phe	Gly	Pro	Val	Asp	Ser	Glu	Gln	Leu
				20					25					30
Ser	Arg	Asp	Cys	Asp	Ala	Leu	Met	Ala	Gly	Cys	Ile	Gln	Glu	Ala
				35					40					45
Arg	Glu	Arg	Trp	Asn	Phe	Asp	Phe	Val	Thr	Glu	Thr	Pro	Leu	Glu
				50					55					60
Gly	Asp	Phe	Ala	Trp	Glu	Arg	Val	Arg	Gly	Leu	Gly	Leu	Pro	Lys
				65					70					75
Leu	Tyr	Leu	Pro	Thr	Trp	Ser	Ala	Gly	Trp	Tyr	Pro	Leu	Glu	Gly
				80					85					90
Cys	Gly	Ser	Phe	Pro	Ser	Leu	Ser	Gln	Ala	Val	Met	Lys	Phe	Thr
				95					100					105
Pro	Phe	Pro	Gly	His	Ser	Asp	Leu	Asn	Ser	Phe	Ser	Phe	Glu	Lys
				110					115					120

<210> 30

<211> 144

<212> PRT

<213> Homo sapiens

<220>

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	215		220	225
Asp Asp Lys Gly	Ala Gln Ala Ala Arg	Gly Ser Ser Asn Ala	Ser	
	230		235	240
Leu Lys Glu Glu	Glu Cys Lys Glu Pro	Leu Leu Phe His Ser	Gly	
	245		250	255
Asp His Tyr Pro	Leu Ser Asp Gly Asp	Trp Ser Pro Leu Glu	Thr	
	260		265	270
Thr Tyr Pro Gln	Thr Ala Cys Pro Lys	Ser Asp Ser Glu Leu	Glu	
	275		280	285
Val Lys Pro Ala	Glu Ser Leu Leu Arg	Ser Glu Tyr His Met	Glu	
	290		295	300
Trp Thr Trp Gly	Gly Phe Pro Glu Ser	Thr Lys Val Ser Lys	Arg	
	305		310	315
Glu Arg Ser Asp	His His Pro Arg Thr	Ala Thr Ile Thr Pro	Ser	
	320		325	330
Glu Asn Thr His	Phe Arg Val Ile Pro	Ser Glu Asp Asn Leu	Ile	
	335		340	345
Ser Glu Val Glu	Lys Asp Ala Ser Met	Glu Asp Thr Val Cys	Thr	
	350		355	360
Ile Val Lys Pro	Lys Pro Arg Ala Leu	Gly Thr Gln Met Ser	Asp	
	365		370	375
Pro Thr Ser Val	Ala Glu Leu Leu Glu	Pro Pro Leu Glu Ser	Thr	
	380		385	390
Gln Ile Ser Ser	Met Leu Asp Ala Asp	His Leu Pro Asn Ala	Ala	
	395		400	405
Leu Ala Glu Ala	Pro Ser Glu Ser Lys	Pro Ala Ala Lys Val	Asp	
	410		415	420
Ser Pro Ser Lys	Lys Lys Gly Val His	Lys Arg Ile Gln His	Gln	
	425		430	435
Gly Pro Asp Asp	Ile Tyr Leu Asp Asp	Leu Lys Gly Leu Glu	Pro	
	440		445	450
Glu Val Ala Ala	Leu Tyr Phe Pro Lys	Ser Glu Ser Glu Pro	Gly	
	455		460	465
Ser Arg Gln Trp	Pro Glu Ser Asp Thr	Leu Ser Gly Ser Gln	Ser	
	470		475	480
Pro Gln Ser Val	Gly Ser Ala Ala Ala	Asp Ser Gly Thr Glu	Cys	
	485		490	495
Leu Ser Asp Ser	Ala Met Asp Leu Pro	Asp Val Thr Leu Ser	Leu	
	500		505	510
Cys Gly Gly Leu	Ser Glu Asn Gly Lys	Ile Ser Lys Glu Lys	Phe	
	515		520	525
Met Glu His Ile	Ile Thr Tyr His Glu	Phe Ala Glu Asn Pro	Gly	
	530		535	540
Leu Ile Asp Asn	Pro Asn Leu Val Ile	Arg Ile Tyr Asn Arg	Tyr	
	545		550	555
Tyr Asn Trp Ala	Leu Ala Ala Pro Met	Ile Leu Ser Leu Gln	Val	
	560		565	570
Phe Gln Lys Ser	Leu Pro Lys Ala Thr	Val Glu Ser Trp Val	Lys	
	575		580	585
Asp Lys Met Pro	Lys Lys Ser Gly Arg	Trp Trp Phe Trp Arg	Lys	
	590		595	600
Arg Glu Ser Met	Thr Lys Gln Leu Pro	Glu Ser Lys Glu Gly	Lys	
	605		610	615
Ser Glu Ala Pro	Pro Ala Ser Asp Leu	Pro Ser Ser Ser Lys	Glu	
	620		625	630
Pro Ala Gly Ala	Arg Pro Ala Glu Asn	Asp Ser Ser Ser Asp	Glu	
	635		640	645
Gly Ser Gln Glu	Leu Glu Glu Ser Ile	Thr Val Asp Pro Ile	Pro	
	650		655	660
Thr Glu Pro Leu	Ser His Gly Ser Thr	Thr Ser Tyr Lys Lys	Ser	
	665		670	675
Leu Arg Leu Ser	Ser Asp Gln Ile Ala	Lys Leu Lys Leu His	Asp	
	680		685	690

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Gly	Pro	Asn	Asp	Val	Val	Phe	Ser	Ile	Thr	Thr	Gln	Tyr	Gln	Gly
				695						700				705
Thr	Cys	Arg	Cys	Ala	Gly	Thr	Ile	Tyr	Leu	Trp	Asn	Trp	Asn	Asp
				710						715				720
Lys	Ile	Ile	Ile	Ser	Asp	Ile	Asp	Gly	Thr	Ile	Thr	Lys	Ser	Asp
				725						730				735
Ala	Leu	Gly	Gln	Ile	Leu	Pro	Gln	Leu	Gly	Lys	Asp	Trp	Thr	His
				740						745				750
Gln	Gly	Ile	Ala	Lys	Leu	Tyr	His	Ser	Ile	Asn	Glu	Asn	Gly	Tyr
				755						760				765
Lys	Phe	Leu	Tyr	Cys	Ser	Ala	Arg	Ala	Ile	Gly	Met	Ala	Asp	Met
				770						775				780
Thr	Arg	Gly	Tyr	Leu	His	Trp	Val	Asn	Asp	Lys	Gly	Thr	Ile	Leu
				785						790				795
Pro	Arg	Gly	Pro	Leu	Met	Leu	Ser	Pro	Ser	Ser	Leu	Phe	Ser	Ala
				800						805				810
Phe	His	Arg	Glu	Val	Ile	Glu	Lys	Lys	Pro	Glu	Lys	Phe	Lys	Ile
				815						820				825
Glu	Cys	Leu	Asn	Asp	Ile	Lys	Asn	Leu	Phe	Ala	Pro	Ser	Lys	Gln
				830						835				840
Pro	Phe	Tyr	Ala	Ala	Phe	Gly	Asn	Arg	Pro	Asn	Asp	Val	Tyr	Ala
				845						850				855
Tyr	Thr	Gln	Val	Gly	Val	Pro	Asp	Cys	Arg	Ile	Phe	Thr	Val	Asn
				860						865				870
Pro	Lys	Gly	Glu	Leu	Ile	Gln	Glu	Arg	Thr	Lys	Gly	Asn	Lys	Ser
				875						880				885
Ser	Tyr	His	Arg	Leu	Ser	Glu	Leu	Val	Glu	His	Val	Phe	Pro	Leu
				890						895				900
Leu	Ser	Lys	Glu	Gln	Asn	Ser	Ala	Phe	Pro	Cys	Pro	Glu	Phe	Ser
				905						910				915
Ser	Phe	Cys	Tyr	Trp	Arg	Asp	Pro	Ile	Pro	Glu	Val	Asp	Leu	Asp
				920						925				930

Asp Leu Ser

<210> 32

<211> 268

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1708229CD1

<400> 32

Met	Leu	Gly	Asp	His	Cys	Ser	Leu	Pro	Glu	Asp	Gln	Ala	Arg	Pro
1				5					10					15
Gly	Gln	Ser	Leu	Gln	Ser	Gly	Leu	Cys	Cys	Lys	Met	Val	Leu	Gln
				20					25					30
Ala	Val	Ser	Lys	Val	Leu	Arg	Lys	Ser	Lys	Ala	Lys	Pro	Asn	Gly
				35					40					45
Lys	Lys	Pro	Ala	Ala	Glu	Glu	Arg	Lys	Ala	Tyr	Leu	Glu	Pro	Glu
				50					55					60
His	Thr	Lys	Ala	Arg	Ile	Thr	Asp	Phe	Gln	Phe	Lys	Glu	Leu	Val
				65					70					75
Val	Leu	Pro	Arg	Glu	Ile	Asp	Leu	Asn	Glu	Trp	Leu	Ala	Ser	Asn
				80					85					90
Thr	Thr	Thr	Phe	Phe	His	His	Ile	Asn	Leu	Gln	Tyr	Ser	Thr	Ile
				95					100					105
Ser	Glu	Phe	Cys	Thr	Gly	Glu	Thr	Cys	Gln	Thr	Met	Ala	Val	Cys
				110					115					120
Asn	Thr	Gln	Tyr	Tyr	Trp	Tyr	Asp	Glu	Arg	Gly	Lys	Lys	Val	Lys
				125					130					135
Cys	Thr	Ala	Pro	Gln	Tyr	Val	Asp	Phe	Val	Met	Ser	Ser	Val	Gln

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Lys	Leu	Val	Thr	Asp	Glu	Asp	Val	Phe	Pro	Thr	Lys	Tyr	Gly	Arg	140	145	150
															155	160	165
Glu	Phe	Pro	Ser	Ser	Phe	Glu	Ser	Leu	Val	Arg	Lys	Ile	Cys	Arg	170	175	180
His	Leu	Phe	His	Val	Leu	Ala	His	Ile	Tyr	Trp	Ala	His	Phe	Lys	185	190	195
Glu	Thr	Leu	Ala	Leu	Glu	Leu	His	Gly	His	Leu	Asn	Thr	Leu	Tyr	200	205	210
Val	His	Phe	Ile	Leu	Phe	Ala	Arg	Glu	Phe	Asn	Leu	Leu	Asp	Pro	215	220	225
Lys	Glu	Thr	Ala	Ile	Met	Asp	Asp	Leu	Thr	Glu	Val	Leu	Cys	Ser	230	235	240
Gly	Ala	Gly	Gly	Val	His	Ser	Gly	Gly	Ser	Gly	Asp	Gly	Ala	Gly	245	250	255
Ser	Gly	Gly	Pro	Gly	Ala	Gln	Asn	His	Val	Lys	Glu	Arg			260	265	

<210> 33'

<211> 337

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1806454CD1

<400> 33

Met	Leu	Leu	Gly	Leu	Ala	Ala	Met	Glu	Leu	Lys	Val	Trp	Val	Asp	1	5	10	15
Gly	Ile	Gln	Arg	Val	Val	Cys	Gly	Val	Ser	Glu	Gln	Thr	Thr	Cys	20	25	30	35
Gln	Glu	Val	Val	Ile	Ala	Leu	Ala	Gln	Ala	Ile	Gly	Gln	Thr	Gly	40	45	50	55
Arg	Phe	Val	Leu	Val	Gln	Arg	Leu	Arg	Glu	Lys	Glu	Arg	Gln	Leu	60	65	70	75
Leu	Pro	Gln	Glu	Cys	Pro	Val	Gly	Ala	Gln	Ala	Thr	Cys	Gly	Gln	80	85	90	95
Phe	Ala	Ser	Asp	Val	Gln	Phe	Val	Leu	Arg	Arg	Thr	Gly	Pro	Ser	100	105	110	115
Leu	Ala	Gly	Arg	Pro	Ser	Ser	Asp	Ser	Cys	Pro	Pro	Pro	Glu	Arg	120	125	130	135
Cys	Leu	Ile	Arg	Ala	Ser	Leu	Pro	Val	Lys	Pro	Arg	Ala	Ala	Leu	140	145	150	155
Gly	Cys	Glu	Pro	Arg	Lys	Thr	Leu	Thr	Pro	Glu	Pro	Ala	Pro	Ser	160	165	170	175
Leu	Ser	Arg	Pro	Gly	Pro	Ala	Ala	Pro	Val	Thr	Pro	Thr	Pro	Gly	180	185	190	195
Cys	Cys	Thr	Asp	Leu	Arg	Gly	Leu	Glu	Leu	Arg	Val	Gln	Arg	Asn	200	205	210	215
Ala	Glu	Glu	Leu	Gly	His	Glu	Ala	Phe	Trp	Glu	Gln	Glu	Leu	Arg	220	225	230	235
Arg	Glu	Gln	Ala	Arg	Glu	Arg	Glu	Gly	Gln	Ala	Arg	Leu	Gln	Ala	240	245	250	255
Leu	Ser	Ala	Ala	Thr	Ala	Glu	His	Ala	Ala	Arg	Leu	Gln	Ala	Leu	260	265	270	
Asp	Ala	Gln	Ala	Arg	Ala	Leu	Glu	Ala	Glu	Leu	Gln	Leu	Ala	Ala				
Glu	Ala	Pro	Gly	Pro	Pro	Ser	Pro	Met	Ala	Ser	Ala	Thr	Glu	Arg				
Leu	His	Gln	Asp	Leu	Ala	Val	Gln	Glu	Arg	Gln	Ser	Ala	Glu	Val				
Gln	Gly	Ser	Leu	Ala	Leu	Val	Ser	Arg	Ala	Leu	Glu	Ala	Ala	Glu				

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Arg	Ala	Leu	Gln	Ala	Gln	Ala	Gln	Glu	Leu	Glu	Glu	Leu	Asn	Arg
				275					280					285
Glu	Leu	Arg	Gln	Cys	Asn	Leu	Gln	Gln	Phe	Ile	Gln	Gln	Thr	Gly
				290					295					300
Ala	Ala	Leu	Pro	Pro	Pro	Pro	Arg	Pro	Asp	Arg	Gly	Pro	Pro	Gly
				305					310					315
Thr	Gln	Val	Gly	Val	Val	Leu	Gly	Gly	Gly	Trp	Glu	Val	Arg	Thr
				320					325					330
Trp	Pro	Ser	Pro	Thr	Pro	Ser								
				335										

<210> 34

<211> 565

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1806850CD1

<400> 34

Met	Lys	Glu	Glu	Glu	Glu	Val	Phe	Gln	Pro	Met	Leu	Met	Glu	Tyr
1				5					10					15
Phe	Thr	Tyr	Glu	Glu	Leu	Lys	Tyr	Ile	Lys	Lys	Lys	Val	Ile	Ala
				20					25					30
Gln	His	Cys	Ser	Gln	Lys	Asp	Thr	Ala	Glu	Leu	Leu	Arg	Gly	Leu
				35					40					45
Ser	Leu	Trp	Asn	His	Ala	Glu	Glu	Arg	Gln	Lys	Phe	Phe	Lys	Tyr
				50					55					60
Ser	Val	Asp	Glu	Lys	Ser	Asp	Lys	Glu	Ala	Glu	Val	Ser	Glu	His
				65					70					75
Ser	Thr	Gly	Ile	Thr	His	Leu	Pro	Pro	Glu	Val	Met	Leu	Ser	Ile
				80					85					90
Phe	Ser	Tyr	Leu	Asn	Pro	Gln	Glu	Leu	Cys	Arg	Cys	Ser	Gln	Val
				95					100					105
Ser	Met	Lys	Trp	Ser	Gln	Leu	Thr	Lys	Thr	Gly	Ser	Leu	Trp	Lys
				110					115					120
His	Leu	Tyr	Pro	Val	His	Trp	Ala	Arg	Gly	Asp	Trp	Tyr	Ser	Gly
				125					130					135
Pro	Ala	Thr	Glu	Leu	Asp	Thr	Glu	Pro	Asp	Asp	Glu	Trp	Val	Lys
				140					145					150
Asn	Arg	Lys	Asp	Glu	Ser	Arg	Ala	Phe	His	Glu	Trp	Asp	Glu	Asp
				155					160					165
Ala	Asp	Ile	Asp	Glu	Ser	Glu	Glu	Ser	Ala	Glu	Glu	Ser	Ile	Ala
				170					175					180
Ile	Ser	Ile	Ala	Gln	Met	Glu	Lys	Arg	Leu	Leu	His	Gly	Leu	Ile
				185					190					195
His	Asn	Val	Leu	Pro	Tyr	Val	Gly	Thr	Ser	Val	Lys	Thr	Leu	Val
				200					205					210
Leu	Ala	Tyr	Ser	Ser	Ala	Val	Ser	Ser	Lys	Met	Val	Arg	Gln	Ile
				215					220					225
Leu	Glu	Leu	Cys	Pro	Asn	Leu	Glu	His	Leu	Asp	Leu	Thr	Gln	Thr
				230					235					240
Asp	Ile	Ser	Asp	Ser	Ala	Phe	Asp	Ser	Trp	Ser	Trp	Leu	Gly	Cys
				245					250					255
Cys	Gln	Ser	Leu	Arg	His	Leu	Asp	Leu	Ser	Gly	Cys	Glu	Lys	Ile
				260					265					270
Thr	Asp	Val	Ala	Leu	Glu	Lys	Ile	Ser	Arg	Ala	Leu	Gly	Ile	Leu
				275					280					285
Thr	Ser	His	Gln	Ser	Gly	Phe	Leu	Lys	Thr	Ser	Thr	Ser	Lys	Ile
				290					295					300
Thr	Ser	Thr	Ala	Trp	Lys	Asn	Lys	Asp	Ile	Thr	Met	Gln	Ser	Thr
				305					310					315
Lys	Gln	Tyr	Ala	Cys	Leu	His	Asp	Leu	Thr	Asn	Lys	Gly	Ile	Gly

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	320		325		330
Glu Glu Ile Asp Asn Glu His Pro Trp Thr Lys Pro Val Ser Ser					
	335		340		345
Glu Asn Phe Thr Ser Pro Tyr Val Trp Met Leu Asp Ala Glu Asp					
	350		355		360
Leu Ala Asp Ile Glu Asp Thr Val Glu Trp Arg His Arg Asn Val					
	365		370		375
Glu Ser Leu Cys Val Met Glu Thr Ala Ser Asn Phe Ser Cys Ser					
	380		385		390
Thr Ser Gly Cys Phe Ser Lys Asp Ile Val Gly Leu Arg Thr Ser					
	395		400		405
Val Cys Trp Gln Gln His Cys Ala Ser Pro Ala Phe Ala Tyr Cys					
	410		415		420
Gly His Ser Phe Cys Cys Thr Gly Thr Ala Leu Arg Thr Met Ser					
	425		430		435
Ser Leu Pro Glu Ser Ser Ala Met Cys Arg Lys Ala Ala Arg Thr					
	440		445		450
Arg Leu Pro Arg Gly Lys Asp Leu Ile Tyr Phe Gly Ser Glu Lys					
	455		460		465
Ser Asp Gln Glu Thr Gly Arg Val Leu Leu Phe Leu Ser Leu Ser					
	470		475		480
Gly Cys Tyr Gln Ile Thr Asp His Gly Leu Arg Val Leu Thr Leu					
	485		490		495
Gly Gly Gly Leu Pro Tyr Leu Glu His Leu Asn Leu Ser Gly Cys					
	500		505		510
Leu Thr Ile Thr Gly Ala Gly Leu Gln Asp Leu Val Ser Ala Cys					
	515		520		525
Pro Ser Leu Asn Asp Glu Tyr Phe Tyr Tyr Cys Asp Asn Ile Asn					
	530		535		540
Gly Pro His Ala Asp Thr Ala Ser Gly Cys Gln Asn Leu Gln Cys					
	545		550		555
Gly Phe Arg Ala Cys Cys Arg Ser Gly Glu					
	560		565		

<210> 35

<211> 228

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1851534CD1

<400> 35

Met Asp Phe Ser Phe Ser Phe Met Gln Gly Ile Met Gly Asn Thr					
1	5		10		15
Ile Gln Gln Pro Pro Gln Leu Ile Asp Ser Ala Asn Ile Arg Gln					
	20		25		30
Glu Asp Ala Phe Asp Asn Asn Ser Asp Ile Ala Glu Asp Gly Gly					
	35		40		45
Gln Thr Pro Tyr Glu Ala Thr Leu Gln Gln Gly Phe Gln Tyr Pro					
	50		55		60
Ala Thr Thr Glu Asp Leu Pro Pro Leu Thr Asn Gly Tyr Pro Ser					
	65		70		75
Ser Ile Ser Val Tyr Glu Thr Gln Thr Lys Tyr Gln Ser Tyr Asn					
	80		85		90
Gln Tyr Pro Asn Gly Ser Ala Asn Gly Phe Gly Ala Val Arg Asn					
	95		100		105
Phe Ser Pro Thr Asp Tyr Tyr His Ser Glu Ile Pro Asn Thr Arg					
	110		115		120
Pro His Glu Ile Leu Glu Lys Pro Ser Pro Pro Gln Pro Pro Pro					
	125		130		135
Pro Pro Ser Val Pro Gln Thr Val Ile Pro Lys Lys Thr Gly Ser					
	140		145		150

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Pro	Glu	Ile	Lys	Leu	Lys	Ile	Thr	Lys	Thr	Ile	Gln	Asn	Gly	Arg
				155					160					165
Glu	Leu	Phe	Glu	Ser	Ser	Leu	Cys	Gly	Asp	Leu	Leu	Asn	Glu	Val
				170					175					180
Gln	Ala	Ser	Glu	His	Thr	Lys	Ser	Lys	His	Glu	Ser	Arg	Lys	Glu
				185					190					195
Lys	Arg	Lys	Lys	Ser	Asn	Lys	His	Asp	Ser	Ser	Arg	Ser	Glu	Glu
				200					205					210
Arg	Lys	Ser	His	Lys	Ile	Pro	Lys	Leu	Glu	Pro	Glu	Glu	Gln	Asn
				215					220					225

Met Thr Lys

<210> 36

<211> 495

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1868749CD1

<400> 36

Met	Lys	Gly	Met	Lys	Val	Glu	Val	Leu	Asn	Ser	Asp	Ala	Val	Leu
1				5					10					15
Pro	Ser	Arg	Val	Tyr	Trp	Ile	Ala	Ser	Val	Ile	Gln	Thr	Ala	Gly
				20					25					30
Tyr	Arg	Val	Leu	Leu	Arg	Tyr	Glu	Gly	Phe	Glu	Asn	Asp	Ala	Ser
				35					40					45
His	Asp	Phe	Trp	Cys	Asn	Leu	Gly	Thr	Val	Asp	Val	His	Pro	Ile
				50					55					60
Gly	Trp	Cys	Ala	Ile	Asn	Ser	Lys	Ile	Leu	Val	Pro	Pro	Arg	Thr
				65					70					75
Ile	His	Ala	Lys	Phe	Thr	Asp	Trp	Lys	Gly	Tyr	Leu	Met	Lys	Arg
				80					85					90
Leu	Val	Gly	Ser	Arg	Thr	Leu	Pro	Val	Asp	Phe	His	Ile	Lys	Met
				95					100					105
Val	Glu	Ser	Met	Lys	Tyr	Pro	Phe	Arg	Gln	Gly	Met	Arg	Leu	Glu
				110					115					120
Val	Val	Asp	Lys	Ser	Gln	Val	Ser	Arg	Thr	Arg	Met	Ala	Val	Val
				125					130					135
Asp	Thr	Val	Ile	Gly	Gly	Arg	Leu	Arg	Leu	Leu	Tyr	Glu	Asp	Gly
				140					145					150
Asp	Ser	Asp	Asp	Asp	Phe	Trp	Cys	His	Met	Trp	Ser	Pro	Leu	Ile
				155					160					165
His	Pro	Val	Gly	Trp	Ser	Arg	Arg	Val	Gly	His	Gly	Ile	Lys	Met
				170					175					180
Ser	Glu	Arg	Arg	Ser	Asp	Met	Ala	His	His	Pro	Thr	Phe	Arg	Lys
				185					190					195
Ile	Tyr	Cys	Asp	Ala	Val	Pro	Tyr	Leu	Phe	Lys	Lys	Val	Arg	Ala
				200					205					210
Val	Tyr	Thr	Glu	Gly	Gly	Trp	Phe	Glu	Glu	Gly	Met	Lys	Leu	Glu
				215					220					225
Ala	Ile	Asp	Pro	Leu	Asn	Leu	Gly	Asn	Ile	Cys	Val	Ala	Thr	Val
				230					235					240
Cys	Lys	Val	Leu	Leu	Asp	Gly	Tyr	Leu	Met	Ile	Cys	Val	Asp	Gly
				245					250					255
Gly	Pro	Ser	Thr	Asp	Gly	Leu	Asp	Trp	Phe	Cys	Tyr	His	Ala	Ser
				260					265					270
Ser	His	Ala	Ile	Phe	Pro	Ala	Thr	Phe	Cys	Gln	Lys	Asn	Asp	Ile
				275					280					285
Glu	Leu	Thr	Pro	Pro	Lys	Gly	Tyr	Glu	Ala	Gln	Thr	Phe	Asn	Trp
				290					295					300
Glu	Asn	Tyr	Leu	Glu	Lys	Thr	Lys	Ser	Lys	Ala	Ala	Pro	Ser	Arg

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305	310	315
Leu Phe Asn Met Asp Cys Pro Asn His Gly Phe Lys Val Gly Met		
320	325	330
Lys Leu Glu Ala Val Asp Leu Met Glu Pro Arg Leu Ile Cys Val		
335	340	345
Ala Thr Val Lys Arg Val Val His Arg Leu Leu Ser Ile His Phe		
350	355	360
Asp Gly Trp Asp Ser Glu Tyr Asp Gln Trp Val Asp Cys Glu Ser		
365	370	375
Pro Asp Ile Tyr Pro Val Gly Trp Cys Glu Leu Thr Gly Tyr Gln		
380	385	390
Leu Gln Pro Pro Val Ala Ala Glu Pro Ala Thr Pro Leu Lys Ala		
395	400	405
Lys Glu Ala Thr Lys Lys Lys Lys Lys Gln Phe Gly Lys Lys Arg		
410	415	420
Lys Arg Ile Pro Pro Thr Lys Thr Arg Pro Leu Arg Gln Gly Ser		
425	430	435
Lys Lys Pro Leu Leu Glu Asp Asp Pro Gln Gly Ala Arg Lys Ile		
440	445	450
Ser Ser Glu Pro Val Pro Gly Glu Ile Ile Ala Val Arg Val Lys		
455	460	465
Glu Glu His Leu Asp Val Ala Ser Pro Asp Lys Ala Ser Ser Pro		
470	475	480
Glu Leu Pro Val Ser Val Glu Asn Ile Lys Gln Glu Thr Asp Asp		
485	490	495

<210> 37

<211> 1336

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1980010CD1

<400> 37

Met Val Asp Gln Leu Glu Gln Ile Leu Ser Val Ser Glu Leu Leu		
1 5 10 15		
Glu Lys His Gly Leu Glu Lys Pro Ile Ser Phe Val Lys Asn Thr		
20 25 30		
Gln Ser Ser Ser Glu Glu Ala Arg Lys Leu Met Val Arg Leu Thr		
35 40 45		
Arg His Thr Gly Arg Lys Gln Pro Pro Val Ser Glu Ser His Trp		
50 55 60		
Arg Thr Leu Leu Gln Asp Met Leu Thr Met Gln Gln Asn Val Tyr		
65 70 75		
Thr Cys Leu Asp Ser Asp Ala Cys Tyr Glu Ile Phe Thr Glu Ser		
80 85 90		
Leu Leu Cys Ser Ser Arg Leu Glu Asn Ile His Leu Ala Gly Gln		
95 100 105		
Met Met His Cys Ser Ala Cys Ser Glu Asn Pro Pro Ala Gly Ile		
110 115 120		
Ala His Lys Gly Asn Pro His Tyr Arg Val Ser Tyr Glu Lys Ser		
125 130 135		
Ile Asp Leu Val Leu Ala Ala Ser Arg Glu Tyr Phe Asn Ser Ser		
140 145 150		
Thr Asn Leu Thr Asp Ser Cys Met Asp Leu Ala Arg Cys Cys Leu		
155 160 165		
Gln Leu Ile Thr Asp Arg Pro Pro Ala Ile Gln Glu Glu Leu Asp		
170 175 180		
Leu Ile Gln Ala Val Gly Cys Leu Glu Glu Phe Gly Val Lys Ile		
185 190 195		
Leu Pro Leu Gln Val Arg Leu Cys Pro Asp Arg Ile Ser Leu Ile		

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	200		205		210
Lys Glu Cys Ile	Ser Gln Ser Pro Thr	Cys Tyr Lys Gln Ser	Thr		
	215		220		225
Lys Leu Leu Gly	Leu Ala Glu Leu Leu	Arg Val Ala Gly Glu	Asn		
	230		235		240
Pro Glu Glu Arg	Arg Gly Gln Val Leu	Ile Leu Leu Val Glu	Gln		
	245		250		255
Ala Leu Arg Phe	His Asp Tyr Lys Ala	Ala Ser Met His Cys	Gln		
	260		265		270
Glu Leu Met Ala	Thr Gly Tyr Pro Lys	Ser Trp Asp Val Cys	Ser		
	275		280		285
Gln Leu Gly Gln	Ser Glu Gly Tyr Gln	Asp Leu Ala Thr Arg	Gln		
	290		295		300
Glu Leu Met Ala	Phe Ala Leu Thr His	Cys Pro Pro Ser Ser	Ile		
	305		310		315
Glu Leu Leu Leu	Ala Ala Ser Ser Ser	Leu Gln Thr Glu Ile	Leu		
	320		325		330
Tyr Gln Arg Val	Asn Phe Gln Ile His	His Glu Gly Gly Glu	Asn		
	335		340		345
Ile Ser Ala Ser	Pro Leu Thr Ser Lys	Ala Val Gln Glu Asp	Glu		
	350		355		360
Val Gly Val Pro	Gly Ser Asn Ser Ala	Asp Leu Leu Arg Trp	Thr		
	365		370		375
Thr Ala Thr Thr	Met Lys Val Leu Ser	Asn Thr Thr Thr Thr	Thr		
	380		385		390
Lys Ala Val Leu	Gln Ala Val Ser Asp	Gly Gln Trp Trp Lys	Lys		
	395		400		405
Ser Leu Thr Tyr	Leu Arg Pro Leu Gln	Gly Gln Lys Cys Gly	Gly		
	410		415		420
Ala Tyr Gln Ile	Gly Thr Thr Ala Asn	Glu Asp Leu Glu Lys	Gln		
	425		430		435
Gly Cys His Pro	Phe Tyr Glu Ser Val	Ile Ser Asn Pro Phe	Val		
	440		445		450
Ala Glu Ser Glu	Gly Thr Tyr Asp Thr	Tyr Gln His Val Pro	Val		
	455		460		465
Glu Ser Phe Ala	Glu Val Leu Leu Arg	Thr Gly Lys Leu Ala	Glu		
	470		475		480
Ala Lys Asn Lys	Gly Glu Val Phe Pro	Thr Thr Glu Val Leu	Leu		
	485		490		495
Gln Leu Ala Ser	Glu Ala Leu Pro Asn	Asp Met Thr Leu Ala	Leu		
	500		505		510
Ala Tyr Leu Leu	Ala Leu Pro Gln Val	Leu Asp Ala Asn Arg	Cys		
	515		520		525
Phe Glu Lys Gln	Ser Pro Ser Ala Leu	Ser Leu Gln Leu Ala	Ala		
	530		535		540
Tyr Tyr Tyr Ser	Leu Gln Ile Tyr Ala	Arg Leu Ala Pro Cys	Phe		
	545		550		555
Arg Asp Lys Cys	His Pro Leu Tyr Arg	Ala Asp Pro Lys Glu	Leu		
	560		565		570
Ile Lys Met Val	Thr Arg His Val Thr	Arg His Glu His Glu	Ala		
	575		580		585
Trp Pro Glu Asp	Leu Ile Ser Leu Thr	Lys Gln Leu His Cys	Tyr		
	590		595		600
Asn Glu Arg Leu	Leu Asp Phe Thr Gln	Ala Gln Ile Leu Gln	Gly		
	605		610		615
Leu Arg Lys Gly	Val Asp Val Gln Arg	Phe Thr Ala Asp Asp	Gln		
	620		625		630
Tyr Lys Arg Glu	Thr Ile Leu Gly Leu	Ala Glu Thr Leu Glu	Glu		
	635		640		645
Ser Val Tyr Ser	Ile Ala Ile Ser Leu	Ala Gln Arg Tyr Ser	Val		
	650		655		660
Ser Arg Trp Glu	Val Phe Met Thr His	Leu Glu Phe Leu Phe	Thr		
	665		670		675

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Asp	Ser	Gly	Leu	Ser	Thr	Leu	Glu	Ile	Glu	Asn	Arg	Ala	Gln	Asp
				680					685					690
Leu	His	Leu	Phe	Glu	Thr	Leu	Lys	Thr	Asp	Pro	Glu	Ala	Phe	His
				695					700					705
Gln	His	Met	Val	Lys	Tyr	Ile	Tyr	Pro	Thr	Ile	Gly	Gly	Phe	Asp
				710					715					720
His	Glu	Arg	Leu	Gln	Tyr	Tyr	Phe	Thr	Leu	Glu	Asn	Cys	Gly	
				725					730					735
Cys	Ala	Asp	Leu	Gly	Asn	Cys	Ala	Ile	Lys	Pro	Glu	Thr	His	Ile
				740					745					750
Arg	Leu	Leu	Lys	Lys	Phe	Lys	Val	Val	Ala	Ser	Gly	Leu	Asn	Tyr
				755					760					765
Lys	Lys	Leu	Thr	Asp	Glu	Asn	Met	Ser	Pro	Leu	Glu	Ala	Leu	Glu
				770					775					780
Pro	Val	Leu	Ser	Ser	Gln	Asn	Ile	Leu	Ser	Ile	Ser	Lys	Leu	Val
				785					790					795
Pro	Lys	Ile	Pro	Glu	Lys	Asp	Gly	Gln	Met	Leu	Ser	Pro	Ser	Ser
				800					805					810
Leu	Tyr	Thr	Ile	Trp	Leu	Gln	Lys	Leu	Phe	Trp	Thr	Gly	Asp	Pro
				815					820					825
His	Leu	Ile	Lys	Gln	Val	Pro	Gly	Ser	Ser	Pro	Glu	Trp	Leu	His
				830					835					840
Ala	Tyr	Asp	Val	Cys	Met	Lys	Tyr	Phe	Asp	Arg	Leu	His	Pro	Gly
				845					850					855
Asp	Leu	Ile	Thr	Val	Val	Asp	Ala	Val	Thr	Phe	Ser	Pro	Lys	Ala
				860					865					870
Val	Thr	Lys	Leu	Ser	Val	Glu	Ala	Arg	Lys	Glu	Met	Thr	Arg	Lys
				875					880					885
Ala	Ile	Lys	Thr	Val	Lys	His	Phe	Ile	Glu	Lys	Pro	Arg	Lys	Arg
				890					895					900
Asn	Ser	Glu	Asp	Glu	Ala	Gln	Glu	Ala	Lys	Asp	Ser	Lys	Val	Thr
				905					910					915
Tyr	Ala	Asp	Thr	Leu	Asn	His	Leu	Glu	Lys	Ser	Leu	Ala	His	Leu
				920					925					930
Glu	Thr	Leu	Ser	His	Ser	Phe	Ile	Leu	Ser	Leu	Lys	Asn	Ser	Glu
				935					940					945
Gln	Glu	Thr	Leu	Gln	Lys	Tyr	Ser	His	Leu	Tyr	Asp	Leu	Ser	Arg
				950					955					960
Ser	Glu	Lys	Glu	Lys	Leu	His	Asp	Glu	Ala	Val	Ala	Ile	Cys	Leu
				965					970					975
Asp	Gly	Gln	Pro	Leu	Ala	Met	Ile	Gln	Gln	Leu	Leu	Glu	Val	Ala
				980					985					990
Val	Gly	Pro	Leu	Asp	Ile	Ser	Pro	Lys	Asp	Ile	Val	Gln	Ser	Ala
				995					1000					1005
Ile	Met	Lys	Ile	Ile	Ser	Ala	Leu	Ser	Gly	Gly	Ser	Ala	Asp	Leu
				1010					1015					1020
Gly	Gly	Pro	Arg	Asp	Pro	Leu	Lys	Val	Leu	Glu	Gly	Val	Val	Ala
				1025					1030					1035
Ala	Val	His	Ala	Ser	Val	Asp	Lys	Gly	Glu	Glu	Leu	Val	Ser	Pro
				1040					1045					1050
Glu	Asp	Leu	Leu	Glu	Trp	Leu	Arg	Pro	Phe	Cys	Ala	Asp	Asp	Ala
				1055					1060					1065
Trp	Pro	Val	Arg	Pro	Arg	Ile	His	Val	Leu	Gln	Ile	Leu	Gly	Gln
				1070					1075					1080
Ser	Phe	His	Leu	Thr	Glu	Glu	Asp	Ser	Lys	Leu	Leu	Val	Phe	Phe
				1085					1090					1095
Arg	Thr	Glu	Ala	Ile	Leu	Lys	Ala	Ser	Trp	Pro	Gln	Arg	Gln	Val
				1100					1105					1110
Asp	Ile	Ala	Asp	Ile	Glu	Asn	Glu	Glu	Asn	Arg	Tyr	Cys	Leu	Phe
				1115					1120					1125
Met	Glu	Leu	Leu	Glu	Ser	Ser	His	His	Glu	Ala	Glu	Phe	Gln	His
				1130					1135					1140
Leu	Val	Leu	Leu	Leu	Gln	Ala	Trp	Pro	Pro	Met	Lys	Ser	Glu	Tyr

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1145	1150	1155
Val Ile Thr Asn Asn Pro Trp Val Arg Leu Ala Thr Val Met Leu		
1160	1165	1170
Thr Arg Cys Thr Met Glu Asn Lys Glu Gly Leu Gly Asn Glu Val		
1175	1180	1185
Leu Lys Met Cys Arg Ser Leu Tyr Asn Thr Lys Gln Met Leu Pro		
1190	1195	1200
Ala Glu Gly Val Lys Glu Leu Cys Leu Leu Leu Leu Asn Gln Ser		
1205	1210	1215
Leu Leu Leu Pro Ser Leu Lys Leu Leu Leu Glu Ser Arg Asp Glu		
1220	1225	1230
His Leu His Glu Met Ala Leu Glu Gln Ile Thr Ala Val Thr Thr		
1235	1240	1245
Val Asn Asp Ser Asn Cys Asp Gln Glu Leu Leu Ser Leu Leu Leu		
1250	1255	1260
Asp Ala Lys Leu Leu Val Lys Cys Val Ser Thr Pro Phe Tyr Pro		
1265	1270	1275
Arg Ile Val Asp His Leu Leu Ala Ser Leu Gln Gln Gly Arg Trp		
1280	1285	1290
Asp Ala Glu Glu Leu Gly Arg His Leu Arg Glu Ala Gly His Glu		
1295	1300	1305
Ala Glu Ala Gly Ser Leu Leu Leu Ala Val Arg Gly Thr His Gln		
1310	1315	1320
Ala Phe Arg Thr Phe Ser Thr Ala Leu Arg Ala Ala Gln His Trp		
1325	1330	1335
Val		

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<211> 934

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2259032CD1

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20 25 30	
Asp Asp Ile Leu Gln Glu Cys Lys Ala Gln Asn Gln Lys Leu Leu	
35 40 45	
Asp Phe Leu Cys Arg Gln Gln Cys Met Glu Glu Leu Val Ser Leu	
50 55 60	
Ile Thr Gln Asp Pro Pro Leu Asp Met Glu Glu Lys Val Arg Phe	
65 70 75	
Lys Tyr Pro Asn Thr Ala Cys Glu Leu Leu Thr Cys Asp Val Pro	
80 85 90	
Gln Ile Ser Asp Arg Leu Gly Gly Asp Glu Ser Leu Leu Ser Leu	
95 100 105	
Leu Tyr Asp Phe Leu Asp His Glu Pro Pro Leu Asn Pro Leu Leu	
110 115 120	
Ala Ser Phe Phe Ser Lys Thr Ile Gly Asn Leu Ile Ala Arg Lys	
125 130 135	
Thr Glu Gln Val Ile Thr Phe Leu Lys Lys Lys Asp Lys Phe Ile	
140 145 150	
Ser Leu Val Leu Lys His Ile Gly Thr Ser Ala Leu Met Asp Leu	
155 160 165	
Leu Leu Arg Leu Val Ser Cys Val Glu Pro Ala Gly Leu Arg Gln	
170 175 180	
Asp Val Leu His Trp Leu Asn Glu Glu Lys Val Ile Gln Arg Leu	
185 190 195	

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Val	Glu	Leu	Ile	His	Pro	Ser	Gln	Asp	Glu	Asp	Arg	Gln	Ser	Asn
				200					205					210
Ala	Ser	Gln	Thr	Leu	Cys	Asp	Ile	Val	Arg	Leu	Gly	Arg	Asp	Gln
				215					220					225
Gly	Ser	Gln	Leu	Gln	Glu	Ala	Leu	Glu	Pro	Asp	Pro	Leu	Leu	Thr
				230					235					240
Ala	Leu	Glu	Ser	Arg	Gln	Asp	Cys	Val	Glu	Gln	Leu	Leu	Lys	Asn
				245					250					255
Met	Phe	Asp	Gly	Asp	Arg	Thr	Glu	Ser	Cys	Leu	Val	Ser	Gly	Thr
				260					265					270
Gln	Val	Leu	Leu	Thr	Leu	Leu	Glu	Thr	Arg	Arg	Val	Gly	Thr	Glu
				275					280					285
Gly	Leu	Val	Asp	Ser	Phe	Ser	Gln	Gly	Leu	Glu	Arg	Ser	Tyr	Ala
				290					295					300
Val	Ser	Ser	Ser	Val	Leu	His	Gly	Ile	Glu	Pro	Arg	Leu	Lys	Asp
				305					310					315
Phe	His	Gln	Leu	Leu	Leu	Asn	Pro	Pro	Lys	Lys	Lys	Ala	Ile	Leu
				320					325					330
Thr	Thr	Ile	Gly	Val	Leu	Glu	Glu	Pro	Leu	Gly	Asn	Ala	Arg	Leu
				335					340					345
His	Gly	Ala	Arg	Leu	Met	Ala	Ala	Leu	Leu	His	Thr	Asn	Thr	Pro
				350					355					360
Ser	Ile	Asn	Gln	Glu	Leu	Cys	Arg	Leu	Asn	Thr	Met	Asp	Leu	Leu
				365					370					375
Leu	Asp	Leu	Phe	Phe	Lys	Tyr	Thr	Trp	Asn	Asn	Phe	Leu	His	Phe
				380					385					390
Gln	Val	Glu	Leu	Cys	Ile	Ala	Ala	Ile	Leu	Ser	His	Ala	Ala	Arg
				395					400					405
Glu	Glu	Arg	Thr	Glu	Ala	Ser	Gly	Ser	Glu	Ser	Arg	Val	Glu	Pro
				410					415					420
Pro	His	Glu	Asn	Gly	Asn	Arg	Ser	Leu	Glu	Thr	Pro	Gln	Pro	Ala
				425					430					435
Ala	Ser	Leu	Pro	Asp	Asn	Thr	Met	Val	Thr	His	Leu	Phe	Gln	Lys
				440					445					450
Cys	Cys	Leu	Val	Gln	Arg	Ile	Leu	Glu	Ala	Trp	Glu	Ala	Asn	Asp
				455					460					465
His	Thr	Gln	Ala	Ala	Gly	Gly	Met	Arg	Arg	Gly	Asn	Met	Gly	His
				470					475					480
Leu	Thr	Arg	Ile	Ala	Asn	Ala	Val	Val	Gln	Asn	Leu	Glu	Arg	Gly
				485					490					495
Pro	Val	Gln	Thr	His	Ile	Ser	Glu	Val	Ile	Arg	Gly	Leu	Pro	Ala
				500					505					510
Asp	Cys	Arg	Gly	Arg	Trp	Glu	Ser	Phe	Val	Glu	Glu	Thr	Leu	Thr
				515					520					525
Glu	Thr	Asn	Arg	Arg	Asn	Thr	Val	Asp	Leu	Ala	Phe	Ser	Asp	Tyr
				530					535					540
Gln	Ile	Gln	Gln	Met	Thr	Ala	Asn	Phe	Val	Asp	Gln	Phe	Gly	Phe
				545					550					555
Asn	Asp	Glu	Glu	Phe	Ala	Asp	Gln	Asp	Asp	Asn	Ile	Asn	Ala	Pro
				560					565					570
Phe	Asp	Arg	Ile	Ala	Glu	Ile	Asn	Phe	Asn	Ile	Asp	Ala	Asp	Glu
				575					580					585
Asp	Ser	Pro	Ser	Ala	Ala	Leu	Phe	Glu	Ala	Cys	Cys	Ser	Asp	Arg
				590					595					600
Ile	Gln	Pro	Phe	Asp	Asp	Asp	Glu	Asp	Glu	Asp	Ile	Trp	Glu	Asp
				605					610					615
Ser	Asp	Thr	Arg	Cys	Ala	Ala	Arg	Val	Met	Ala	Arg	Pro	Arg	Phe
				620					625					630
Gly	Ala	Pro	His	Ala	Ser	Glu	Ser	Cys	Ser	Lys	Asn	Gly	Pro	Glu
				635					640					645
Arg	Gly	Gly	Gln	Asp	Gly	Lys	Ala	Ser	Leu	Glu	Ala	His	Arg	Asp
				650					655					660
Ala	Pro	Gly	Ala	Gly	Ala	Pro	Pro	Ala	Pro	Gly	Lys	Lys	Glu	Ala

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Pro	Pro	Val	Glu	665	Gly	Asp	Ser	Glu	Ala	670	Gly	Ala	Met	Trp	Thr	675	Ala
Val	Phe	Asp	Glu	680	Pro	Ala	Asn	Ser	Thr	685	Pro	Thr	Ala	Pro	Gly	690	Val
Val	Arg	Asp	Val	695	Gly	Ser	Ser	Val	Trp	700	Ala	Ala	Gly	Thr	Ser	705	Ala
Pro	Glu	Glu	Lys	710	Gly	Trp	Ala	Lys	Phe	715	Thr	Asp	Phe	Gln	Pro	720	Phe
Cys	Cys	Ser	Glu	725	Ser	Gly	Pro	Arg	Cys	730	Ser	Ser	Pro	Val	Asp	735	Thr
Glu	Cys	Ser	His	740	Ala	Glu	Gly	Ser	Arg	745	Ser	Gln	Gly	Pro	Glu	750	Lys
Ala	Phe	Ser	Pro	755	Ala	Ser	Pro	Cys	Ala	760	Trp	Asn	Val	Cys	Val	765	Thr
Arg	Lys	Ala	Pro	770	Leu	Leu	Ala	Ser	Asp	775	Ser	Ser	Ser	Ser	Gly	780	Gly
Ser	His	Ser	Glu	785	Asp	Gly	Asp	Gln	Lys	790	Ala	Ala	Ser	Ala	Met	795	Asp
Ala	Val	Ser	Arg	800	Gly	Pro	Gly	Arg	Glu	805	Ala	Pro	Pro	Leu	Pro	810	Thr
Val	Ala	Arg	Thr	815	Glu	Glu	Ala	Val	Gly	820	Arg	Val	Gly	Cys	Ala	825	Asp
Ser	Arg	Leu	Leu	830	Ser	Pro	Ala	Cys	Pro	835	Ala	Pro	Lys	Glu	Val	840	Thr
Ala	Ala	Pro	Ala	845	Val	Ala	Val	Pro	Pro	850	Glu	Ala	Thr	Val	Ala	855	Ile
Thr	Thr	Ala	Leu	860	Ser	Lys	Ala	Gly	Pro	865	Ala	Ile	Pro	Thr	Pro	870	Ala
Val	Ser	Ser	Ala	875	Leu	Ala	Val	Ala	Val	880	Pro	Leu	Gly	Pro	Ile	885	Met
Ala	Val	Thr	Ala	890	Ala	Pro	Ala	Met	Val	895	Ala	Thr	Leu	Gly	Thr	900	Val
Thr	Lys	Asp	Gly	905	Lys	Thr	Asp	Ala	Pro	910	Pro	Glu	Gly	Ala	Ala	915	Leu
Asn	Gly	Pro	Val	920						925						930	

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 <212> PRT
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<220>
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 Asn Ser Ser Ser Asn Pro Tyr Leu Ile Arg Arg Ile Glu Glu Leu
 20 25 30
 Asn Lys Thr Ala Ser Gly Asn Val Glu Ala Lys Val Val Cys Phe
 35 40 45
 Tyr Arg Arg Arg Asp Ile Ser Asn Thr Leu Ile Met Leu Ala Asp
 50 55 60
 Lys His Ala Lys Glu Ile Glu Glu Glu Ser Glu Thr Thr Val Glu
 65 70 75
 Ala Asp Leu Thr Asp Lys Gln Lys His Gln Leu Lys His Arg Glu
 80 85 90
 Leu Phe Leu Ser Arg Gln Tyr Glu Ser Leu Pro Ala Thr His Ile
 95 100 105
 Arg Gly Lys Cys Ser Val Ala Leu Leu Asn Glu Thr Glu Ser Val
 110 115 120

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Leu	Ser	Tyr	Leu	Asp	Lys	Glu	Asp	Thr	Phe	Phe	Tyr	Ser	Leu	Val
				125					130					135
Tyr	Asp	Pro	Ser	Leu	Lys	Thr	Leu	Leu	Ala	Asp	Lys	Gly	Glu	Ile
				140					145					150
Arg	Val	Gly	Pro	Arg	Tyr	Gln	Ala	Asp	Ile	Pro	Glu	Met	Leu	Leu
				155					160					165
Glu	Gly	Glu	Ser	Asp	Glu	Arg	Glu	Gln	Ser	Lys	Leu	Glu	Val	Lys
				170					175					180
Val	Trp	Asp	Pro	Asn	Ser	Pro	Leu	Thr	Asp	Arg	Gln	Ile	Asp	Gln
				185					190					195
Phe	Leu	Val	Val	Ala	Arg	Ala	Val	Gly	Thr	Phe	Ala	Arg	Ala	Leu
				200					205					210
Asp	Cys	Ser	Ser	Ser	Val	Arg	Gln	Pro	Ser	Leu	His	Met	Ser	Ala
				215					220					225
Ala	Ala	Ala	Ser	Arg	Asp	Ile	Thr	Leu	Phe	His	Ala	Met	Asp	Thr
				230					235					240
Leu	Tyr	Arg	His	Ser	Tyr	Asp	Leu	Ser	Ser	Ala	Ile	Ser	Val	Leu
				245					250					255
Val	Pro	Leu	Gly	Gly	Pro	Val	Leu	Cys	Arg	Asp	Glu	Met	Glu	Glu
				260					265					270
Trp	Ser	Ala	Ser	Glu	Ala	Ser	Leu	Phe	Glu	Glu	Ala	Leu	Glu	Lys
				275					280					285
Tyr	Gly	Lys	Asp	Phe	Asn	Asp	Ile	Arg	Gln	Asp	Phe	Leu	Pro	Trp
				290					295					300
Lys	Ser	Leu	Thr	Ser	Ile	Ile	Glu	Tyr	Tyr	Tyr	Met	Trp	Lys	Thr
				305					310					315
Thr	Asp	Arg	Tyr	Val	Gln	Gln	Lys	Arg	Leu	Lys	Ala	Ala	Glu	Ala
				320					325					330
Glu	Ser	Lys	Leu	Lys	Gln	Val	Tyr	Ile	Pro	Thr	Tyr	Ser	Lys	Pro
				335					340					345
Asn	Pro	Asn	Gln	Ile	Ser	Thr	Ser	Asn	Gly	Lys	Pro	Gly	Ala	Val
				350					355					360
Asn	Gly	Ala	Val	Gly	Thr	Thr	Phe	Gln	Pro	Gln	Asn	Pro	Leu	Leu
				365					370					375
Gly	Arg	Ala	Cys	Glu	Ser	Cys	Tyr	Ala	Thr	Gln	Ser	His	Gln	Trp
				380					385					390
Tyr	Ser	Trp	Gly	Pro	Pro	Asn	Met	Gln	Cys	Arg	Leu	Cys	Ala	Ile
				395					400					405
Cys	Trp	Leu	Tyr	Trp	Lys	Lys	Tyr	Gly	Gly	Leu	Lys	Met	Pro	Thr
				410					415					420
Gln	Ser	Glu	Glu	Glu	Lys	Leu	Ser	Pro	Ser	Pro	Thr	Thr	Glu	Asp
				425					430					435
Pro	Arg	Val	Arg	Ser	His	Val	Ser	Arg	Gln	Ala	Met	Gln	Gly	Met
				440					445					450
Pro	Val	Arg	Asn	Thr	Gly	Ser	Pro	Lys	Ser	Ala	Val	Lys	Thr	Arg
				455					460					465
Gln	Ala	Phe	Phe	Leu	His	Thr	Thr	Tyr	Phe	Thr	Lys	Phe	Ala	Arg
				470					475					480
Gln	Val	Cys	Lys	Asn	Thr	Leu	Arg	Leu	Arg	Gln	Ala	Ala	Arg	Arg
				485					490					495
Pro	Phe	Val	Ala	Ile	Asn	Tyr	Ala	Ala	Ile	Arg	Ala	Glu	Cys	Lys
				500					505					510
Met	Leu	Leu	Asn	Ser										
				515										

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<221> misc_feature

<223> Incyte ID No: 2456494CD1

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<400> 40

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His	Arg	Ala	Leu	Ser	Ile	Glu	Asn	Ser	Gln	Leu	Met	Glu	Gln	Leu
				20					25					30
Arg	Leu	Leu	Val	Cys	Glu	Arg	Ala	Ser	Leu	Leu	Arg	Gln	Val	Arg
				35					40					45
Pro	Pro	Ser	Cys	Pro	Val	Pro	Phe	Pro	Glu	Thr	Phe	Asn	Gly	Glu
				50					55					60
Ser	Ser	Arg	Leu	Pro	Glu	Phe	Ile	Val	Gln	Thr	Ala	Ser	Tyr	Met
				65					70					75
Leu	Val	Asn	Glu	Asn	Arg	Phe	Cys	Asn	Asp	Ala	Met	Lys	Val	Ala
				80					85					90
Phe	Leu	Ile	Ser	Leu	Leu	Thr	Gly	Glu	Ala	Glu	Glu	Trp	Val	Val
				95					100					105
Pro	Tyr	Ile	Glu	Met	Asp	Ser	Pro	Ile	Leu	Gly	Asp	Tyr	Arg	Ala
				110					115					120
Phe	Leu	Asp	Glu	Met	Lys	Gln	Cys	Phe	Gly	Trp	Asp	Asp	Asp	Glu
				125					130					135
Asp	Asp	Asp	Asp	Glu	Glu	Glu	Glu	Asp	Asp	Tyr				
				140					145					

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<211> 580

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2668536CD1

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Asn	Leu	Asp	His	Thr	Lys	Pro	Cys	Trp	Tyr	Trp	Asp	Lys	Lys	Asp
				20					25					30
Leu	Ala	His	Thr	Pro	Ser	Gln	Leu	Glu	Gly	Leu	Asp	Pro	Ala	Thr
				35					40					45
Glu	Ala	Arg	Tyr	Arg	Arg	Glu	Gly	Ala	Arg	Phe	Ile	Phe	Asp	Val
				50					55					60
Gly	Thr	Arg	Leu	Gly	Leu	His	Tyr	Asp	Thr	Leu	Ala	Thr	Gly	Ile
				65					70					75
Ile	Tyr	Phe	His	Arg	Phe	Tyr	Met	Phe	His	Ser	Phe	Lys	Gln	Phe
				80					85					90
Pro	Arg	Tyr	Val	Thr	Gly	Ala	Cys	Cys	Leu	Phe	Leu	Ala	Gly	Lys
				95					100					105
Val	Glu	Glu	Thr	Pro	Lys	Lys	Cys	Lys	Asp	Ile	Ile	Lys	Thr	Ala
				110					115					120
Arg	Ser	Leu	Leu	Asn	Asp	Val	Gln	Phe	Gly	Gln	Phe	Gly	Asp	Asp
				125					130					135
Pro	Lys	Glu	Glu	Val	Met	Val	Leu	Glu	Arg	Ile	Leu	Leu	Gln	Thr
				140					145					150
Ile	Lys	Phe	Asp	Leu	Gln	Val	Glu	His	Pro	Tyr	Gln	Phe	Leu	Leu
				155					160					165
Lys	Tyr	Ala	Lys	Gln	Leu	Lys	Gly	Asp	Lys	Asn	Lys	Ile	Gln	Lys
				170					175					180
Leu	Val	Gln	Met	Ala	Trp	Thr	Phe	Val	Asn	Asp	Ser	Leu	Cys	Thr
				185					190					195
Thr	Leu	Ser	Leu	Gln	Trp	Glu	Pro	Glu	Ile	Ile	Ala	Val	Ala	Val
				200					205					210
Met	Tyr	Leu	Ala	Gly	Arg	Leu	Cys	Lys	Phe	Glu	Ile	Gln	Glu	Trp
				215					220					225
Thr	Ser	Lys	Pro	Met	Tyr	Arg	Arg	Trp	Trp	Glu	Gln	Phe	Val	Gln
				230					235					240

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Asp Val Pro Val Asp Val Leu Glu Asp Ile Cys His Gln Ile Leu
245 250
Asp Leu Tyr Ser Gln Gly Lys Gln Gln Met Pro His His Thr Pro
260 265 270
His Gln Leu Gln Gln Pro Pro Ser Leu Gln Pro Thr Pro Gln Val
275 280 285
Pro Gln Val Gln Gln Ser Gln Pro Ser Gln Ser Ser Glu Pro Ser
290 295 300
Gln Pro Gln Gln Lys Asp Pro Gln Gln Pro Ala Gln Gln Gln Gln
305 310 315
Pro Ala Gln Gln Pro Lys Lys Pro Ser Pro Gln Pro Ser Ser Pro
320 325 330
Arg Gln Val Lys Arg Ala Val Val Val Ser Pro Lys Glu Glu Asn
335 340 345
Lys Ala Ala Glu Pro Pro Pro Pro Lys Ile Pro Lys Ile Glu Thr
350 355 360
Thr His Pro Pro Leu Pro Pro Ala His Pro Pro Pro Asp Arg Lys
365 370 375
Pro Pro Leu Ala Ala Ala Leu Gly Glu Ala Glu Pro Pro Gly Pro
380 385 390
Val Asp Ala Thr Asp Leu Pro Lys Val Gln Ile Pro Pro Pro Ala
395 400 405
His Pro Ala Pro Val His Gln Pro Pro Pro Leu Pro His Arg Pro
410 415 420
Pro Pro Pro Pro Pro Ser Ser Tyr Met Thr Gly Met Ser Thr Thr
425 430 435
Ser Ser Tyr Met Ser Gly Glu Gly Tyr Gln Ser Leu Gln Ser Met
440 445 450
Met Lys Thr Glu Gly Pro Ser Tyr Gly Ala Leu Pro Pro Ala Tyr
455 460 465
Gly Pro Pro Ala His Leu Pro Tyr His Pro His Val Tyr Pro Pro
470 475 480
Asn Pro Pro Pro Pro Pro Val Pro Pro Pro Pro Ala Ser Phe Pro
485 490 495
His Leu Pro Ser His Pro Leu Leu Leu Ala Thr Pro Asn Pro His
500 505 510
Pro Pro Thr Thr Pro Thr Ser His Pro His Pro His Ala Ser Arg
515 520 525
Leu Pro Thr Gln Ser Pro Leu Ile Leu Leu Gln Gly Trp Ala Cys
530 535 540
Arg Gln Pro Ala Thr His Leu Leu Pro Ser Pro Leu Glu Asp Ser
545 550 555
Leu Leu Cys Pro Arg Pro Phe Pro His Pro Ala Cys Leu Gln Leu
560 565 570
Glu Gly Leu Gly Arg Ala Ala Trp Met Arg
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<211> 131

<212> PRT

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<220>

<221> misc_feature

<223> Incyte ID No: 2683225CD1

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Arg Pro Gln Lys Leu Ile Asn Pro Val Lys Thr Ser Arg Asn His
20 25 30
Gln Asp Leu His Arg Glu Leu Leu Met Asn Gln Lys Arg Gly Leu
35 40 45
Ala Pro Gln Asn Lys Pro Glu Leu Gln Lys Val Met Glu Lys Arg

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	50		55		60
Lys Arg Asp Gln Val	Ile Lys Gln Lys	Glu Glu Ala Gln	Lys		
	65		70		75
Lys Lys Ser Asp Leu	Glu Ile Glu Leu	Leu Lys Arg Gln	Gln Lys		
	80		85		90
Leu Glu Gln Leu Glu	Leu Glu Lys Gln	Lys Leu Gln Glu	Glu Gln		
	95		100		105
Glu Asn Ala Pro Glu	Phe Val Lys Val	Lys Gly Asn Leu	Arg Arg		
	110		115		120
Thr Gly Gln Glu Val	Ala Gln Ala Gln	Glu Ser			
	125		130		

<210> 43

<211> 812

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2797839CD1

<400> 43

Met Gly Arg Lys Leu	Asp Pro Thr Lys	Glu Lys Arg Gly	Pro Gly		
1	5	10	15		
Arg Lys Ala Arg Lys	Gln Lys Gly Ala	Glu Thr Glu Leu	Val Arg		
	20	25	30		
Phe Leu Pro Ala Val	Ser Asp Glu Asn	Ser Lys Arg Leu	Ser Ser		
	35	40	45		
Arg Ala Arg Lys Arg	Ala Ala Lys Arg	Arg Leu Gly Ser	Val Glu		
	50	55	60		
Ala Pro Lys Thr Asn	Lys Ser Pro Glu	Ala Lys Pro Leu	Pro Gly		
	65	70	75		
Lys Leu Pro Lys Gly	Ile Ser Ala Gly	Ala Val Gln Thr	Ala Gly		
	80	85	90		
Lys Lys Gly Pro Gln	Ser Leu Phe Asn	Ala Pro Arg Gly	Lys Lys		
	95	100	105		
Arg Pro Ala Pro Gly	Ser Asp Glu Glu	Glu Glu Glu Asp	Ser Ser		
	110	115	120		
Glu Glu Asp Gly Met	Val Asn His Gly	Asp Leu Trp Gly	Ser Glu		
	125	130	135		
Asp Asp Ala Asp Thr	Val Asp Asp Tyr	Gly Ala Asp Ser	Asn Ser		
	140	145	150		
Glu Asp Glu Glu Glu	Gly Glu Ala Leu	Leu Pro Ile Glu	Arg Ala		
	155	160	165		
Ala Arg Lys Gln Lys	Ala Arg Glu Ala	Ala Ala Gly Ile	Gln Trp		
	170	175	180		
Ser Glu Glu Glu Thr	Glu Asp Glu Glu	Glu Lys Glu Val	Thr Thr		
	185	190	195		
Pro Glu Ser Gly Pro	Pro Lys Val Glu	Glu Ala Asp Gly	Gly Leu		
	200	205	210		
Gln Ile Asn Val Asp	Glu Glu Pro Phe	Val Leu Pro Pro	Ala Gly		
	215	220	225		
Glu Met Glu Gln Asp	Ala Gln Ala Pro	Asp Leu Gln Arg	Val His		
	230	235	240		
Lys Arg Ile Gln Asp	Ile Val Gly Ile	Leu Arg Asp Phe	Gly Ala		
	245	250	255		
Gln Arg Glu Glu Gly	Arg Ser Arg Ser	Glu Tyr Leu Asn	Arg Leu		
	260	265	270		
Lys Lys Asp Leu Ala	Ile Tyr Tyr Ser	Tyr Gly Asp Phe	Leu Leu		
	275	280	285		
Gly Lys Leu Met Asp	Leu Phe Pro Leu	Ser Glu Leu Val	Glu Phe		
	290	295	300		
Leu Glu Ala Asn Glu	Val Pro Arg Pro	Val Thr Leu Arg	Thr Asn		
	305	310	315		

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Thr	Leu	Lys	Thr	Arg	Arg	Arg	Asp	Leu	Ala	Gln	Ala	Leu	Ile	Asn
				320					325					330
Arg	Gly	Val	Asn	Leu	Asp	Pro	Leu	Gly	Lys	Trp	Ser	Lys	Thr	Gly
				335					340					345
Leu	Val	Val	Tyr	Asp	Ser	Ser	Val	Pro	Ile	Gly	Ala	Thr	Pro	Glu
				350					355					360
Tyr	Leu	Ala	Gly	His	Tyr	Met	Leu	Gln	Gly	Ala	Ser	Ser	Met	Leu
				365					370					375
Pro	Val	Met	Ala	Leu	Ala	Pro	Gln	Glu	His	Glu	Arg	Ile	Leu	Asp
				380					385					390
Met	Cys	Cys	Ala	Pro	Gly	Gly	Lys	Thr	Ser	Tyr	Met	Ala	Gln	Leu
				395					400					405
Met	Lys	Asn	Thr	Gly	Val	Ile	Leu	Ala	Asn	Asp	Ala	Asn	Ala	Glu
				410					415					420
Arg	Leu	Lys	Ser	Val	Val	Gly	Asn	Leu	His	Arg	Leu	Gly	Val	Thr
				425					430					435
Asn	Thr	Ile	Ile	Ser	His	Tyr	Asp	Gly	Arg	Gln	Phe	Pro	Lys	Val
				440					445					450
Val	Gly	Gly	Phe	Asp	Arg	Val	Leu	Leu	Asp	Ala	Pro	Cys	Ser	Gly
				455					460					465
Thr	Gly	Val	Ile	Ser	Lys	Asp	Pro	Ala	Val	Lys	Thr	Asn	Lys	Asp
				470					475					480
Glu	Lys	Asp	Ile	Leu	Arg	Cys	Ala	His	Leu	Gln	Lys	Glu	Leu	Leu
				485					490					495
Leu	Ser	Ala	Ile	Asp	Ser	Val	Asn	Ala	Thr	Ser	Lys	Thr	Gly	Gly
				500					505					510
Tyr	Leu	Val	Tyr	Cys	Thr	Cys	Ser	Ile	Thr	Val	Glu	Glu	Asn	Glu
				515					520					525
Trp	Val	Val	Asp	Tyr	Ala	Leu	Lys	Lys	Arg	Asn	Val	Arg	Leu	Val
				530					535					540
Pro	Thr	Gly	Leu	Asp	Phe	Gly	Gln	Glu	Gly	Phe	Thr	Arg	Phe	Arg
				545					550					555
Glu	Arg	Arg	Phe	His	Pro	Ser	Leu	Arg	Ser	Thr	Arg	Arg	Phe	Tyr
				560					565					570
Pro	His	Thr	His	Asn	Met	Asp	Gly	Phe	Phe	Ile	Ala	Lys	Phe	Lys
				575					580					585
Lys	Phe	Ser	Asn	Ser	Ile	Pro	Gln	Ser	Gln	Thr	Gly	Asn	Ser	Glu
				590					595					600
Thr	Ala	Thr	Pro	Thr	Asn	Val	Asp	Leu	Pro	Gln	Val	Ile	Pro	Lys
				605					610					615
Ser	Glu	Asn	Ser	Ser	Gln	Pro	Ala	Lys	Lys	Ala	Lys	Gly	Ala	Ala
				620					625					630
Lys	Thr	Lys	Gln	Gln	Leu	Gln	Lys	Gln	Gln	His	Pro	Lys	Lys	Ala
				635					640					645
Ser	Phe	Gln	Lys	Leu	Asn	Gly	Ile	Ser	Lys	Gly	Ala	Asp	Ser	Glu
				650					655					660
Leu	Ser	Thr	Val	Pro	Ser	Val	Thr	Lys	Thr	Gln	Ala	Ser	Ser	Ser
				665					670					675
Phe	Gln	Asp	Ser	Ser	Gln	Pro	Ala	Gly	Lys	Ala	Glu	Gly	Ile	Arg
				680					685					690
Glu	Pro	Lys	Val	Thr	Gly	Lys	Leu	Lys	Gln	Arg	Ser	Pro	Lys	Leu
				695					700					705
Gln	Ser	Ser	Lys	Lys	Val	Ala	Phe	Leu	Arg	Gln	Asn	Ala	Pro	Pro
				710					715					720
Lys	Gly	Thr	Asp	Thr	Gln	Thr	Pro	Ala	Val	Leu	Ser	Pro	Ser	Lys
				725					730					735
Thr	Gln	Ala	Thr	Leu	Lys	Pro	Lys	Asp	His	His	Gln	Pro	Leu	Gly
				740					745					750
Arg	Ala	Lys	Gly	Val	Glu	Lys	Gln	Gln	Leu	Pro	Glu	Gln	Pro	Phe
				755					760					765
Glu	Lys	Ala	Ala	Phe	Gln	Lys	Gln	Asn	Asp	Thr	Pro	Lys	Gly	Pro
				770					775					780
Gln	Pro	Pro	Thr	Val	Ser	Pro	Ile	Arg	Ser	Ser	Arg	Pro	Pro	Pro

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	785		790		795
Ala Lys Arg Lys Lys Ser Gln Ser Arg Gly Asn Ser Gln Leu Leu					
	800		805		810
Leu Ser					

<210> 44

<211> 537

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2959521CD1

<400> 44

Met Arg Gly Val Gly Ala Arg Val Tyr Ala Asp Ala Pro Ala Lys					
1 5 10 15					
Leu Leu Leu Pro Pro Pro Ala Ala Trp Asp Leu Ala Val Arg Leu					
20 25 30					
Arg Gly Ala Glu Ala Ala Ser Glu Arg Gln Val Tyr Ser Val Thr					
35 40 45					
Met Lys Leu Leu Leu Leu His Pro Ala Phe Gln Ser Cys Leu Leu					
50 55 60					
Leu Thr Leu Leu Gly Leu Trp Arg Thr Thr Pro Glu Ala His Ala					
65 70 75					
Ser Ser Leu Gly Ala Pro Ala Ile Ser Ala Ala Ser Phe Leu Gln					
80 85 90					
Asp Leu Ile His Arg Tyr Gly Glu Gly Asp Ser Leu Thr Leu Gln					
95 100 105					
Gln Leu Lys Ala Leu Leu Asn His Leu Asp Val Gly Val Gly Arg					
110 115 120					
Gly Asn Val Thr Gln His Val Gln Gly His Arg Asn Leu Ser Thr					
125 130 135					
Cys Phe Ser Ser Gly Asp Leu Phe Thr Ala His Asn Phe Ser Glu					
140 145 150					
Gln Ser Arg Ile Gly Ser Ser Glu Leu Gln Glu Phe Cys Pro Thr					
155 160 165					
Ile Leu Gln Gln Leu Asp Ser Arg Ala Cys Thr Ser Glu Asn Gln					
170 175 180					
Glu Asn Glu Glu Asn Glu Gln Thr Glu Glu Gly Arg Pro Ser Ala					
185 190 195					
Val Glu Val Trp Gly Tyr Gly Leu Leu Cys Val Thr Val Ile Ser					
200 205 210					
Leu Cys Ser Leu Leu Gly Ala Ser Val Val Pro Phe Met Lys Lys					
215 220 225					
Thr Phe Tyr Lys Arg Leu Leu Leu Tyr Phe Ile Ala Leu Ala Ile					
230 235 240					
Gly Thr Leu Tyr Ser Asn Ala Leu Phe Gln Leu Ile Pro Glu Ala					
245 250 255					
Phe Gly Phe Asn Pro Leu Glu Asp Tyr Tyr Val Ser Lys Ser Ala					
260 265 270					
Val Val Phe Gly Gly Phe Tyr Leu Phe Phe Thr Glu Lys Ile					
275 280 285					
Leu Lys Ile Leu Leu Lys Gln Lys Asn Glu His His His Gly His					
290 295 300					
Ser His Tyr Ala Ser Glu Ser Leu Pro Ser Lys Lys Asp Gln Glu					
305 310 315					
Glu Gly Val Met Glu Lys Leu Gln Asn Gly Asp Leu Asp His Met					
320 325 330					
Ile Pro Gln His Cys Ser Ser Glu Leu Asp Gly Lys Ala Pro Met					
335 340 345					
Val Asp Glu Lys Val Ile Val Gly Ser Leu Ser Val Gln Asp Leu					
350 355 360					

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Gln	Ala	Ser	Gln	Ser	Ala	Cys	Tyr	Trp	Leu	Lys	Gly	Val	Arg	Tyr
				365					370					375
Ser	Asp	Ile	Gly	Thr	Leu	Ala	Trp	Met	Ile	Thr	Leu	Ser	Asp	Gly
				380					385					390
Leu	His	Asn	Phe	Ile	Asp	Gly	Leu	Ala	Ile	Gly	Ala	Ser	Phe	Thr
				395					400					405
Val	Ser	Val	Phe	Gln	Gly	Ile	Ser	Thr	Ser	Val	Ala	Ile	Leu	Cys
				410					415					420
Glu	Glu	Phe	Pro	His	Glu	Leu	Gly	Asp	Phe	Val	Ile	Leu	Leu	Asn
				425					430					435
Ala	Gly	Met	Ser	Ile	Gln	Gln	Ala	Leu	Phe	Phe	Asn	Phe	Leu	Ser
				440					445					450
Ala	Cys	Cys	Cys	Tyr	Leu	Gly	Leu	Ala	Phe	Gly	Ile	Leu	Ala	Gly
				455					460					465
Ser	His	Phe	Ser	Ala	Asn	Trp	Ile	Phe	Ala	Leu	Ala	Gly	Gly	Met
				470					475					480
Phe	Leu	Tyr	Ile	Ser	Leu	Ala	Asp	Met	Phe	Pro	Glu	Met	Asn	Glu
				485					490					495
Val	Cys	Gln	Glu	Asp	Glu	Arg	Lys	Gly	Ser	Ile	Leu	Ile	Pro	Phe
				500					505					510
Ile	Ile	Gln	Asn	Leu	Gly	Leu	Leu	Thr	Gly	Phe	Thr	Ile	Met	Val
				515					520					525
Val	Leu	Thr	Met	Tyr	Ser	Gly	Gln	Ile	Gln	Ile	Gly			
				530					535					

<210> 45

<211> 584

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3082014CD1

<400> 45

Met	Leu	Trp	Gly	Gly	Arg	Val	Gly	Leu	Thr	Gly	Val	Phe	Gln	Ser
1				5					10					15
Leu	Ser	Tyr	Arg	Gly	Lys	Cys	Ser	Val	Thr	Leu	Leu	Asn	Glu	Thr
				20					25					30
Asp	Ile	Leu	Ser	Gln	Tyr	Leu	Glu	Lys	Glu	Asp	Cys	Phe	Phe	Tyr
				35					40					45
Ser	Leu	Val	Phe	Asp	Pro	Val	Gln	Lys	Thr	Leu	Leu	Ala	Asp	Gln
				50					55					60
Gly	Glu	Ile	Arg	Val	Gly	Cys	Lys	Tyr	Gln	Ala	Glu	Ile	Pro	Asp
				65					70					75
Arg	Leu	Val	Glu	Gly	Glu	Ser	Asp	Asn	Arg	Asn	Gln	Gln	Lys	Met
				80					85					90
Glu	Met	Lys	Val	Trp	Asp	Pro	Asp	Asn	Pro	Leu	Thr	Asp	Arg	Gln
				95					100					105
Ile	Asp	Gln	Phe	Leu	Val	Val	Ala	Arg	Ala	Val	Gly	Thr	Phe	Ala
				110					115					120
Arg	Ala	Leu	Asp	Cys	Ser	Ser	Ser	Ile	Arg	Gln	Pro	Ser	Leu	His
				125					130					135
Met	Ser	Ala	Ala	Ala	Ala	Ser	Arg	Asp	Ile	Thr	Leu	Phe	His	Ala
				140					145					150
Met	Asp	Thr	Leu	Gln	Arg	Asn	Gly	Tyr	Asp	Leu	Ala	Lys	Ala	Met
				155					160					165
Ser	Thr	Leu	Val	Pro	Gln	Gly	Gly	Pro	Val	Leu	Cys	Arg	Asp	Glu
				170					175					180
Met	Glu	Glu	Trp	Ser	Ala	Ser	Glu	Ala	Met	Leu	Phe	Glu	Glu	Ala
				185					190					195
Leu	Glu	Lys	Tyr	Gly	Lys	Asp	Phe	Asn	Asp	Ile	Arg	Gln	Asp	Phe
				200					205					210
Leu	Pro	Trp	Lys	Ser	Leu	Ala	Ser	Ile	Val	Gln	Phe	Tyr	Tyr	Met

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Trp Lys Thr Thr	215	Asp Arg Tyr Ile Gln	220	Gln Lys Arg Leu Lys	225
	230		235		240
Ala Glu Ala Asp	245	Ser Lys Leu Lys Gln	250	Val Tyr Ile Pro Thr	255
Thr Lys Pro Asn	260	Pro Asn Gln Ile Ile	265	Ser Val Gly Ser Lys	270
Gly Met Asn Gly	275	Ala Gly Phe Gln Lys	280	Gly Leu Thr Cys Glu	285
Cys His Thr Thr	290	Gln Ser Ala Gln Trp	295	Tyr Ala Trp Gly Pro	300
Asn Met Gln Cys	305	Arg Leu Cys Ala Ser	310	Cys Trp Ile Tyr Trp	315
Lys Tyr Gly Gly	320	Leu Lys Thr Pro Thr	325	Gln Leu Glu Gly Ala	330
Arg Gly Thr Thr	335	Glu Pro His Ser Arg	340	Gly His Leu Ser Arg	345
Glu Ala Gln Ser	350	Leu Ser Pro Tyr Thr	355	Thr Ser Ala Asn Arg	360
Lys Leu Leu Ala	365	Lys Asn Arg Gln Thr	370	Phe Leu Leu Gln Thr	375
Lys Leu Thr Arg	380	Leu Ala Arg Arg Met	385	Cys Arg Asp Leu Leu	390
Pro Arg Arg Ala	395	Ala Arg Arg Pro Tyr	400	Ala Pro Ile Asn Ala	405
Ala Ile Lys Ala	410	Glu Cys Ser Ile Arg	415	Leu Pro Lys Ala Ala	420
Thr Pro Leu Lys	425	Ile His Pro Leu Val	430	Arg Leu Pro Leu Ala	435
Ile Val Lys Asp	440	Leu Val Ala Gln Ala	445	Pro Leu Lys Pro Lys	450
Pro Arg Gly Thr	455	Lys Thr Pro Ile Asn	460	Arg Asn Gln Leu Ser	465
Asn Arg Gly Leu	470	Gly Gly Ile Met Val	475	Lys Arg Ala Tyr Glu	480
Met Ala Gly Ala	485	Gly Val Pro Phe Ser	490	Ala Asn Gly Arg Pro	495
Ala Ser Gly Ile	500	Arg Ser Ser Ser Gln	505	Pro Ala Ala Lys Arg	510
Lys Leu Asn Pro	515	Ala Asp Ala Pro Asn	520	Pro Val Val Phe Val	525
Thr Lys Asp Thr	530	Arg Ala Leu Arg Lys	535	Ala Leu Thr His Leu	540
Met Arg Arg Ala	545	Ala Arg Arg Pro Asn	550	Leu Pro Leu Lys Val	555
Pro Thr Leu Ile	560	Ala Val Arg Pro Pro	565	Val Pro Leu Pro Ala	570
Ser His Pro Ala	575	Ser Thr Asn Glu Pro	580	Ile Val Leu Glu Asp	

<210> 46

<211> 425

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 3520701CD1

<400> 46

Met Ala Gly Ala Glu	Gly Ala Ala Gly	Arg Gln Ser Glu Leu Glu
1	5	10
Pro Val Val Ser Leu	Val Asp Val Leu	Glu Glu Asp Glu Glu Leu
	20	25
		30

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Glu	Asn	Glu	Ala	Cys	Ala	Val	Leu	Gly	Gly	Ser	Asp	Ser	Glu	Lys
				35					40					45
Cys	Ser	Tyr	Ser	Gln	Gly	Ser	Val	Lys	Arg	Gln	Ala	Leu	Tyr	Ala
				50					55					60
Cys	Ser	Thr	Cys	Thr	Pro	Glu	Gly	Glu	Glu	Pro	Ala	Gly	Ile	Cys
				65					70					75
Leu	Ala	Cys	Ser	Tyr	Glu	Cys	His	Gly	Ser	His	Lys	Leu	Phe	Glu
				80					85					90
Leu	Tyr	Thr	Lys	Arg	Asn	Phe	Arg	Cys	Asp	Cys	Gly	Asn	Ser	Lys
				95					100					105
Phe	Lys	Asn	Leu	Glu	Cys	Lys	Leu	Leu	Pro	Asp	Lys	Ala	Lys	Val
				110					115					120
Asn	Ser	Gly	Asn	Lys	Tyr	Asn	Asp	Asn	Phe	Phe	Gly	Leu	Tyr	Cys
				125					130					135
Ile	Cys	Lys	Arg	Pro	Tyr	Pro	Asp	Pro	Glu	Asp	Glu	Ile	Pro	Asp
				140					145					150
Glu	Met	Ile	Gln	Cys	Val	Val	Cys	Glu	Asp	Trp	Phe	His	Gly	Arg
				155					160					165
His	Leu	Gly	Ala	Ile	Pro	Pro	Glu	Ser	Gly	Asp	Phe	Gln	Glu	Met
				170					175					180
Val	Cys	Gln	Ala	Cys	Met	Lys	Arg	Cys	Ser	Phe	Leu	Trp	Ala	Tyr
				185					190					195
Ala	Ala	Gln	Leu	Ala	Val	Thr	Lys	Ile	Ser	Thr	Glu	Asp	Asp	Gly
				200					205					210
Leu	Val	Arg	Asn	Ile	Asp	Gly	Ile	Gly	Asp	Gln	Glu	Val	Ile	Lys
				215					220					225
Pro	Glu	Asn	Gly	Glu	His	Gln	Asp	Ser	Thr	Leu	Lys	Glu	Asp	Val
				230					235					240
Pro	Glu	Gln	Gly	Lys	Asp	Asp	Val	Arg	Glu	Val	Lys	Val	Glu	Gln
				245					250					255
Asn	Ser	Glu	Pro	Cys	Ala	Gly	Ser	Ser	Ser	Glu	Ser	Asp	Leu	Gln
				260					265					270
Thr	Val	Phe	Lys	Asn	Glu	Ser	Leu	Asn	Ala	Glu	Ser	Lys	Ser	Gly
				275					280					285
Cys	Lys	Leu	Gln	Glu	Leu	Lys	Ala	Lys	Gln	Leu	Ile	Lys	Lys	Asp
				290					295					300
Thr	Ala	Thr	Tyr	Trp	Pro	Leu	Asn	Trp	Arg	Ser	Lys	Leu	Cys	Thr
				305					310					315
Cys	Gln	Asp	Cys	Met	Lys	Met	Tyr	Gly	Asp	Leu	Asp	Val	Leu	Phe
				320					325					330
Leu	Thr	Asp	Glu	Tyr	Asp	Thr	Val	Leu	Ala	Tyr	Glu	Asn	Lys	Gly
				335					340					345
Lys	Ile	Ala	Gln	Ala	Thr	Asp	Arg	Ser	Asp	Pro	Leu	Met	Asp	Thr
				350					355					360
Leu	Ser	Ser	Met	Asn	Arg	Val	Gln	Gln	Val	Glu	Leu	Ile	Cys	Glu
				365					370					375
Tyr	Asn	Asp	Leu	Lys	Thr	Glu	Leu	Lys	Asp	Tyr	Leu	Lys	Arg	Phe
				380					385					390
Ala	Asp	Glu	Gly	Thr	Val	Val	Lys	Arg	Glu	Asp	Ile	Gln	Gln	Phe
				395					400					405
Phe	Glu	Glu	Phe	Gln	Ser	Lys	Lys	Arg	Arg	Arg	Val	Asp	Gly	Met
				410					415					420
Gln	Tyr	Tyr	Cys	Ser										
				425										

<210> 47

<211> 255

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4184320CD1

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<400> 47
Met Tyr Val Arg Val Ser Phe Asp Thr Lys Pro Asp Leu Leu Leu
 1          5          10          15
His Leu Met Thr Lys Glu Trp Gln Leu Glu Leu Pro Lys Leu Leu
          20          25          30
Ile Ser Val His Gly Gly Leu Gln Asn Phe Glu Leu Gln Pro Lys
          35          40          45
Leu Lys Gln Val Phe Gly Lys Gly Leu Ile Lys Ala Ala Met Thr
          50          55          60
Thr Gly Ala Trp Ile Phe Thr Gly Gly Val Asn Thr Gly Val Ile
          65          70          75
Arg His Val Gly Asp Ala Leu Lys Asp His Ala Ser Lys Ser Arg
          80          85          90
Gly Lys Ile Cys Thr Ile Gly Ile Ala Pro Trp Gly Ile Val Glu
          95          100          105
Asn Gln Glu Asp Leu Ile Gly Arg Asp Val Val Arg Pro Tyr Gln
          110          115          120
Thr Met Ser Asn Pro Met Ser Lys Leu Thr Val Leu Asn Ser Met
          125          130          135
His Ser His Phe Ile Leu Ala Asp Asn Gly Thr Thr Gly Lys Tyr
          140          145          150
Gly Ala Glu Val Lys Leu Arg Arg Gln Leu Glu Lys His Ile Ser
          155          160          165
Leu Gln Lys Ile Asn Thr Arg Cys Leu Pro Phe Phe Ser Leu Asp
          170          175          180
Ser Arg Leu Phe Tyr Ser Phe Trp Gly Ser Cys Gln Leu Asp Ser
          185          190          195
Val Gly Ile Gly Gln Gly Val Pro Val Val Ala Leu Ile Val Glu
          200          205          210
Gly Gly Pro Asn Val Ile Ser Ile Val Leu Glu Tyr Leu Arg Asp
          215          220          225
Thr Pro Pro Val Pro Val Val Val Cys Asp Gly Ser Gly Arg Ala
          230          235          240
Ser Asp Ile Leu Ala Phe Gly His Lys Tyr Ser Glu Glu Gly Gly
          245          250          255

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<210> 48
<211> 111
<212> PRT
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 4764233CD1

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<400> 48
Met Ser Trp Arg Gly Arg Ser Thr Tyr Arg Pro Arg Pro Arg Arg
 1          5          10          15
Ser Leu Gln Pro Pro Glu Leu Ile Gly Ala Met Leu Glu Pro Thr
          20          25          30
Asp Glu Glu Pro Lys Glu Glu Lys Pro Pro Thr Lys Ser Arg Asn
          35          40          45
Pro Thr Pro Asp Gln Lys Arg Glu Asp Asp Gln Gly Ala Ala Glu
          50          55          60
Ile Gln Val Pro Asp Leu Glu Ala Asp Leu Gln Glu Leu Cys Gln
          65          70          75
Thr Lys Thr Gly Asp Gly Cys Glu Gly Gly Thr Asp Val Lys Gly
          80          85          90
Lys Ile Leu Pro Lys Ala Glu His Phe Lys Met Pro Glu Ala Gly
          95          100          105
Glu Gly Lys Ser Gln Val
          110

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<210> 49

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Arg Asp Arg Arg Pro Leu Leu Thr Ala Pro Asp His Cys Ser Asp
 410 415 420

Asp Ala

<210> 50

<211> 397

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5040573CD1

<400> 50

Met	Ala	Met	Ile	Glu	Leu	Gly	Phe	Gly	Arg	Gln	Asn	Phe	His	Pro
1				5					10					15
Leu	Lys	Arg	Lys	Ser	Ser	Leu	Leu	Leu	Lys	Leu	Ile	Ala	Val	Val
				20					25					30
Phe	Ala	Val	Leu	Leu	Phe	Cys	Glu	Phe	Leu	Ile	Tyr	Tyr	Leu	Ala
				35					40					45
Ile	Phe	Gln	Cys	Asn	Trp	Pro	Glu	Val	Lys	Thr	Thr	Ala	Ser	Asp
				50					55					60
Gly	Glu	Gln	Thr	Thr	Arg	Glu	Pro	Val	Leu	Lys	Ala	Met	Phe	Leu
				65					70					75
Ala	Asp	Thr	His	Leu	Leu	Gly	Glu	Phe	Leu	Gly	His	Trp	Leu	Asp
				80					85					90
Lys	Leu	Arg	Arg	Glu	Trp	Gln	Met	Glu	Arg	Ala	Phe	Gln	Thr	Ala
				95					100					105
Leu	Trp	Leu	Leu	Gln	Pro	Glu	Val	Val	Phe	Ile	Leu	Gly	Asp	Ile
				110					115					120
Phe	Asp	Glu	Gly	Lys	Trp	Ser	Thr	Pro	Glu	Ala	Trp	Ala	Asp	Asp
				125					130					135
Val	Glu	Arg	Phe	Gln	Lys	Met	Phe	Arg	His	Pro	Ser	His	Val	Gln
				140					145					150
Leu	Lys	Val	Val	Ala	Gly	Asn	His	Asp	Ile	Gly	Phe	His	Tyr	Glu
				155					160					165
Met	Asn	Thr	Tyr	Lys	Val	Glu	Arg	Phe	Glu	Lys	Val	Phe	Ser	Ser
				170					175					180
Glu	Arg	Leu	Phe	Ser	Trp	Lys	Gly	Ile	Asn	Phe	Val	Met	Val	Asn
				185					190					195
Ser	Val	Ala	Leu	Asn	Gly	Asp	Gly	Cys	Gly	Ile	Cys	Ser	Glu	Thr
				200					205					210
Glu	Ala	Glu	Leu	Ile	Glu	Val	Ser	His	Arg	Leu	Asn	Cys	Ser	Arg
				215					220					225
Glu	Gln	Ala	Arg	Gly	Ser	Ser	Arg	Cys	Gly	Pro	Gly	Pro	Leu	Leu
				230					235					240
Pro	Thr	Ser	Ala	Pro	Val	Leu	Leu	Gln	His	Tyr	Pro	Leu	Tyr	Arg
				245					250					255
Arg	Ser	Asp	Ala	Asn	Cys	Ser	Gly	Glu	Asp	Ala	Ala	Pro	Pro	Glu
				260					265					270
Glu	Arg	Asp	Ile	Pro	Phe	Lys	Glu	Asn	Tyr	Asp	Val	Leu	Ser	Arg
				275					280					285
Glu	Ala	Ser	Gln	Lys	Leu	Leu	Trp	Trp	Leu	Gln	Pro	Arg	Leu	Val
				290					295					300
Leu	Ser	Gly	His	Thr	His	Ser	Ala	Cys	Glu	Val	His	His	Gly	Gly
				305					310					315
Arg	Val	Pro	Glu	Leu	Ser	Val	Pro	Ser	Phe	Ser	Trp	Arg	Asn	Arg
				320					325					330
Asn	Asn	Pro	Ser	Phe	Ile	Met	Gly	Ser	Ile	Thr	Pro	Thr	Asp	Tyr
				335					340					345
Thr	Leu	Ser	Lys	Cys	Tyr	Leu	Pro	Arg	Glu	Asp	Val	Val	Leu	Ile
				350					355					360
Ile	Tyr	Cys	Gly	Val	Val	Gly	Phe	Leu	Val	Val	Leu	Thr	Leu	Thr

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	365		370		375
His Phe Gly Leu	Leu Ala Ser Pro Phe	Leu Ser Gly Leu Asn	Leu		
	380		385		390
Leu Gly Lys Arg	Lys Thr Arg				
	395				

<210> 51

<211> 800

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5627029CD1

<400> 51

Met Gly Ser Ser Lys	Lys His Arg Gly Glu	Lys Glu Ala Ala Gly	
1	5	10	15
Thr Thr Ala Ala Ala	Gly Thr Gly Gly Ala	Thr Glu Gln Pro Pro	
	20	25	30
Arg His Arg Glu His	Lys Lys His Lys	Arg Ser Gly Gly Ser	
	35	40	45
Gly Gly Ser Gly Gly	Glu Arg Arg Lys Arg	Ser Arg Glu Arg Gly	
	50	55	60
Gly Glu Arg Gly Ser	Gly Arg Arg Gly Ala	Glu Ala Glu Ala Arg	
	65	70	75
Ser Ser Thr His Gly	Arg Glu Arg Ser Gln	Ala Glu Pro Ser Glu	
	80	85	90
Arg Arg Val Lys Arg	Glu Lys Arg Asp Asp	Gly Tyr Glu Ala Ala	
	95	100	105
Ala Ser Ser Lys Thr	Ser Ser Gly Asp Ala	Ser Ser Leu Ser Ile	
	110	115	120
Glu Glu Thr Asn Lys	Leu Arg Ala Lys Leu	Gly Leu Lys Pro Leu	
	125	130	135
Glu Val Asn Ala Ile	Lys Lys Glu Ala Gly	Thr Lys Glu Glu Pro	
	140	145	150
Val Thr Ala Asp Val	Ile Asn Pro Met Ala	Leu Arg Gln Arg Glu	
	155	160	165
Glu Leu Arg Glu Lys	Leu Ala Ala Ala Lys	Glu Lys Arg Leu Leu	
	170	175	180
Asn Gln Lys Leu Gly	Lys Ile Lys Thr Leu	Gly Glu Asp Asp Pro	
	185	190	195
Trp Leu Asp Asp Thr	Ala Ala Trp Ile Glu	Arg Ser Arg Gln Leu	
	200	205	210
Gln Lys Glu Lys Asp	Leu Ala Glu Lys Arg	Ala Lys Leu Leu Glu	
	215	220	225
Glu Met Asp Gln Glu	Phe Gly Val Ser Thr	Leu Val Glu Glu Glu	
	230	235	240
Phe Gly Gln Arg Arg	Gln Asp Leu Tyr Ser	Ala Arg Asp Leu Gln	
	245	250	255
Gly Leu Thr Val Glu	His Ala Ile Asp Ser	Phe Arg Glu Gly Glu	
	260	265	270
Thr Met Ile Leu Thr	Leu Lys Asp Lys Gly	Val Leu Gln Glu Glu	
	275	280	285
Glu Asp Val Leu Val	Asn Val Asn Leu Val	Asp Lys Glu Arg Ala	
	290	295	300
Glu Lys Asn Val Glu	Leu Arg Lys Lys Lys	Pro Asp Tyr Leu Pro	
	305	310	315
Tyr Ala Glu Asp Glu	Ser Val Asp Asp Leu	Ala Gln Gln Lys Pro	
	320	325	330
Arg Ser Ile Leu Ser	Lys Tyr Asp Glu Glu	Leu Glu Gly Glu Arg	
	335	340	345
Pro His Ser Phe Arg	Leu Glu Gln Gly Gly	Thr Ala Asp Gly Leu	
	350	355	360

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Arg	Glu	Arg	Glu	Leu	Glu	Glu	Ile	Arg	Ala	Lys	Leu	Arg	Leu	Gln
				365					370					375
Ala	Gln	Ser	Leu	Ser	Thr	Val	Gly	Pro	Arg	Leu	Ala	Ser	Glu	Tyr
				380					385					390
Leu	Thr	Pro	Glu	Glu	Met	Val	Thr	Phe	Lys	Lys	Thr	Lys	Arg	Arg
				395					400					405
Val	Lys	Lys	Ile	Arg	Lys	Lys	Glu	Lys	Glu	Val	Val	Val	Arg	Ala
				410					415					420
Asp	Asp	Leu	Leu	Pro	Leu	Gly	Asp	Gln	Thr	Gln	Asp	Gly	Asp	Phe
				425					430					435
Gly	Ser	Arg	Leu	Arg	Gly	Arg	Gly	Arg	Arg	Arg	Val	Ser	Glu	Val
				440					445					450
Glu	Glu	Glu	Lys	Glu	Pro	Val	Pro	Gln	Pro	Leu	Pro	Ser	Asp	Asp
				455					460					465
Thr	Arg	Val	Glu	Asn	Met	Asp	Ile	Ser	Asp	Glu	Glu	Glu	Gly	Gly
				470					475					480
Ala	Pro	Pro	Pro	Ala	Ser	Pro	Gln	Val	Leu	Glu	Glu	Asp	Glu	Ala
				485					490					495
Glu	Leu	Glu	Leu	Gln	Lys	Gln	Leu	Glu	Lys	Gly	Arg	Arg	Leu	Arg
				500					505					510
Gln	Leu	Gln	Gln	Leu	Gln	Gln	Leu	Arg	Asp	Ser	Gly	Glu	Lys	Val
				515					520					525
Val	Glu	Ile	Val	Lys	Lys	Leu	Glu	Ser	Arg	Gln	Arg	Gly	Trp	Glu
				530					535					540
Glu	Asp	Glu	Asp	Pro	Glu	Arg	Lys	Gly	Ala	Ile	Val	Phe	Asn	Ala
				545					550					555
Thr	Ser	Glu	Phe	Cys	Arg	Thr	Leu	Gly	Glu	Ile	Pro	Thr	Tyr	Gly
				560					565					570
Leu	Ala	Gly	Asn	Arg	Glu	Glu	Gln	Glu	Glu	Leu	Met	Asp	Phe	Glu
				575					580					585
Arg	Asp	Glu	Glu	Arg	Ser	Ala	Asn	Gly	Gly	Ser	Glu	Ser	Asp	Gly
				590					595					600
Glu	Glu	Asn	Ile	Gly	Trp	Ser	Thr	Val	Asn	Leu	Asp	Glu	Glu	Lys
				605					610					615
Gln	Gln	Gln	Asp	Phe	Ser	Ala	Ser	Ser	Thr	Thr	Ile	Leu	Asp	Glu
				620					625					630
Glu	Pro	Ile	Val	Asn	Arg	Gly	Leu	Ala	Ala	Ala	Leu	Leu	Leu	Cys
				635					640					645
Gln	Asn	Lys	Gly	Leu	Leu	Glu	Thr	Thr	Val	Gln	Lys	Val	Ala	Arg
				650					655					660
Val	Lys	Ala	Pro	Asn	Lys	Ser	Leu	Pro	Ser	Ala	Val	Tyr	Cys	Ile
				665					670					675
Glu	Asp	Lys	Met	Ala	Ile	Asp	Asp	Lys	Tyr	Ser	Arg	Arg	Glu	Glu
				680					685					690
Tyr	Arg	Gly	Phe	Thr	Gln	Asp	Phe	Lys	Glu	Lys	Asp	Gly	Tyr	Lys
				695					700					705
Pro	Asp	Val	Lys	Ile	Glu	Tyr	Val	Asp	Glu	Thr	Gly	Arg	Lys	Leu
				710					715					720
Thr	Pro	Lys	Glu	Ala	Phe	Arg	Gln	Leu	Ser	His	Arg	Phe	His	Gly
				725					730					735
Lys	Gly	Ser	Gly	Lys	Met	Lys	Thr	Glu	Arg	Arg	Met	Lys	Lys	Leu
				740					745					750
Asp	Glu	Glu	Ala	Leu	Leu	Lys	Lys	Met	Ser	Ser	Ser	Asp	Thr	Pro
				755					760					765
Leu	Gly	Thr	Val	Ala	Leu	Leu	Gln	Glu	Lys	Gln	Lys	Ala	Gln	Lys
				770					775					780
Thr	Pro	Tyr	Ile	Val	Leu	Ser	Gly	Ser	Gly	Lys	Ser	Met	Asn	Ala
				785					790					795
Asn	Thr	Ile	Thr	Lys										
				800										

<210> 52

<211> 713

<212> PRT

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<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5678487CD1

<400> 52

Met	Ala	Lys	Ser	Pro	Glu	Asn	Ser	Thr	Leu	Glu	Glu	Ile	Leu	Gly
1				5					10					15
Gln	Tyr	Gln	Arg	Ser	Leu	Arg	Glu	His	Ala	Ser	Arg	Ser	Ile	His
				20					25					30
Gln	Leu	Thr	Cys	Ala	Leu	Lys	Glu	Gly	Asp	Val	Thr	Ile	Gly	Glu
				35					40					45
Asp	Ala	Pro	Asn	Leu	Ser	Phe	Ser	Thr	Ser	Val	Gly	Asn	Glu	Asp
				50					55					60
Ala	Arg	Thr	Ala	Trp	Pro	Glu	Leu	Gln	Gln	Ser	His	Ala	Val	Asn
				65					70					75
Gln	Leu	Lys	Asp	Leu	Leu	Arg	Gln	Gln	Ala	Asp	Lys	Glu	Ser	Glu
				80					85					90
Val	Ser	Pro	Ser	Arg	Arg	Arg	Lys	Met	Ser	Pro	Leu	Arg	Ser	Leu
				95					100					105
Glu	His	Glu	Glu	Thr	Asn	Met	Pro	Thr	Met	His	Asp	Leu	Val	His
				110					115					120
Thr	Ile	Asn	Asp	Gln	Ser	Gln	Tyr	Ile	His	His	Leu	Glu	Ala	Glu
				125					130					135
Val	Lys	Phe	Cys	Lys	Glu	Glu	Leu	Ser	Gly	Met	Lys	Asn	Lys	Ile
				140					145					150
Gln	Val	Val	Val	Leu	Glu	Asn	Glu	Gly	Leu	Gln	Gln	Gln	Leu	Lys
				155					160					165
Ser	Gln	Arg	Gln	Glu	Glu	Thr	Leu	Arg	Glu	Gln	Thr	Leu	Leu	Asp
				170					175					180
Ala	Ser	Gly	Asn	Met	His	Asn	Ser	Trp	Ile	Thr	Thr	Gly	Glu	Asp
				185					190					195
Ser	Gly	Val	Gly	Glu	Thr	Ser	Lys	Arg	Pro	Phe	Ser	His	Asp	Asn
				200					205					210
Ala	Asp	Phe	Gly	Lys	Ala	Ala	Ser	Ala	Gly	Glu	Gln	Leu	Glu	Leu
				215					220					225
Glu	Lys	Leu	Lys	Leu	Thr	Tyr	Glu	Glu	Lys	Cys	Glu	Ile	Glu	Glu
				230					235					240
Ser	Gln	Leu	Lys	Phe	Leu	Arg	Asn	Asp	Leu	Ala	Glu	Tyr	Gln	Arg
				245					250					255
Thr	Cys	Glu	Asp	Leu	Lys	Glu	Gln	Leu	Lys	His	Lys	Glu	Phe	Leu
				260					265					270
Leu	Ala	Ala	Asn	Thr	Cys	Asn	Arg	Val	Gly	Gly	Leu	Cys	Leu	Lys
				275					280					285
Cys	Ala	Gln	His	Glu	Ala	Val	Leu	Ser	Gln	Thr	His	Thr	Asn	Val
				290					295					300
His	Met	Gln	Thr	Ile	Glu	Arg	Leu	Val	Lys	Glu	Arg	Asp	Asp	Leu
				305					310					315
Met	Ser	Ala	Leu	Val	Ser	Val	Arg	Ser	Ser	Leu	Ala	Asp	Thr	Gln
				320					325					330
Gln	Arg	Glu	Ala	Ser	Ala	Tyr	Glu	Gln	Val	Lys	Gln	Val	Leu	Gln
				335					340					345
Ile	Ser	Glu	Glu	Ala	Asn	Phe	Glu	Lys	Thr	Lys	Ala	Leu	Ile	Gln
				350					355					360
Cys	Asp	Gln	Leu	Arg	Lys	Glu	Leu	Glu	Arg	Gln	Ala	Glu	Arg	Leu
				365					370					375
Glu	Lys	Asp	Leu	Ala	Ser	Gln	Gln	Glu	Lys	Arg	Ala	Ile	Glu	Lys
				380					385					390
Asp	Met	Met	Lys	Lys	Glu	Ile	Thr	Lys	Glu	Arg	Glu	Tyr	Met	Gly
				395					400					405
Ser	Lys	Met	Leu	Ile	Leu	Ser	Gln	Asn	Ile	Ala	Gln	Leu	Glu	Ala
				410					415					420

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Gln	Val	Glu	Lys	Val	Thr	Lys	Glu	Lys	Ile	Ser	Ala	Ile	Asn	Gln
				425					430					435
Leu	Glu	Glu	Ile	Gln	Ser	Gln	Leu	Ala	Ser	Arg	Glu	Met	Asp	Val
				440					445					450
Thr	Lys	Val	Cys	Gly	Glu	Met	Arg	Tyr	Gln	Leu	Asn	Lys	Thr	Asn
				455					460					465
Met	Glu	Lys	Asp	Glu	Ala	Glu	Lys	Glu	His	Arg	Glu	Phe	Arg	Ala
				470					475					480
Lys	Thr	Asn	Arg	Asp	Leu	Glu	Ile	Lys	Asp	Gln	Glu	Ile	Glu	Lys
				485					490					495
Leu	Arg	Ile	Glu	Leu	Asp	Glu	Ser	Lys	Gln	His	Leu	Glu	Gln	Glu
				500					505					510
Gln	Gln	Lys	Ala	Ala	Leu	Ala	Arg	Glu	Glu	Cys	Leu	Arg	Leu	Thr
				515					520					525
Glu	Leu	Leu	Gly	Glu	Ser	Glu	His	Gln	Leu	His	Leu	Thr	Arg	Gln
				530					535					540
Glu	Lys	Asp	Ser	Ile	Gln	Gln	Ser	Phe	Ser	Lys	Glu	Ala	Lys	Ala
				545					550					555
Gln	Ala	Leu	Gln	Ala	Gln	Gln	Arg	Glu	Gln	Glu	Leu	Thr	Gln	Lys
				560					565					570
Ile	Gln	Gln	Met	Glu	Ala	Gln	His	Asp	Lys	Thr	Glu	Asn	Glu	Gln
				575					580					585
Tyr	Leu	Leu	Leu	Thr	Ser	Gln	Asn	Thr	Phe	Leu	Thr	Lys	Leu	Lys
				590					595					600
Glu	Glu	Cys	Cys	Thr	Leu	Ala	Lys	Lys	Leu	Glu	Gln	Ile	Ser	Gln
				605					610					615
Lys	Thr	Arg	Ser	Glu	Ile	Ala	Gln	Leu	Ser	Gln	Glu	Lys	Arg	Tyr
				620					625					630
Thr	Tyr	Asp	Lys	Leu	Gly	Lys	Leu	Gln	Arg	Arg	Asn	Glu	Glu	Leu
				635					640					645
Glu	Glu	Gln	Cys	Val	Gln	His	Gly	Arg	Val	His	Glu	Thr	Met	Lys
				650					655					660
Gln	Arg	Leu	Arg	Gln	Leu	Asp	Lys	His	Ser	Gln	Ala	Thr	Ala	Gln
				665					670					675
Gln	Leu	Val	Gln	Leu	Leu	Ser	Lys	Gln	Asn	Gln	Leu	Leu	Leu	Glu
				680					685					690
Arg	Gln	Ser	Leu	Ser	Glu	Glu	Val	Asp	Arg	Leu	Arg	Thr	Gln	Leu
				695					700					705
Pro	Ser	Met	Pro	Gln	Ser	Asp	Cys							
				710										

<210> 53

<211> 880

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5682976CD1

<400> 53

Met	Ser	Arg	Gly	Gly	Ser	Cys	Pro	His	Leu	Leu	Trp	Asp	Val	Arg
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Lys	Arg	Ser	Leu	Gly	Leu	Glu	Asp	Pro	Ser	Arg	Leu	Arg	Ser	Arg
				20					25					30
Tyr	Leu	Gly	Arg	Arg	Glu	Phe	Ile	Gln	Arg	Leu	Lys	Leu	Glu	Ala
				35					40					45
Thr	Leu	Asn	Val	His	Asp	Gly	Cys	Val	Asn	Thr	Ile	Cys	Trp	Asn
				50					55					60
Asp	Thr	Gly	Glu	Tyr	Ile	Leu	Ser	Gly	Ser	Asp	Asp	Thr	Lys	Leu
				65					70					75
Val	Ile	Ser	Asn	Pro	Tyr	Ser	Arg	Lys	Val	Leu	Thr	Thr	Ile	Arg
				80					85					90
Ser	Gly	His	Arg	Ala	Asn	Ile	Phe	Ser	Ala	Lys	Phe	Leu	Pro	Cys

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				95				100				105		
Thr	Asn	Asp	Lys	Gln	Ile	Val	Ser	Cys	Ser	Gly	Asp	Gly	Val	Ile
				110										120
Phe	Tyr	Thr	Asn	Val	Glu	Gln	Asp	Ala	Glu	Thr	Asn	Arg	Gln	Cys
				125										135
Gln	Phe	Thr	Cys	His	Tyr	Gly	Thr	Thr	Tyr	Glu	Ile	Met	Thr	Val
				140										150
Pro	Asn	Asp	Pro	Tyr	Thr	Phe	Leu	Ser	Cys	Gly	Glu	Asp	Gly	Thr
				155										165
Val	Arg	Trp	Phe	Asp	Thr	Arg	Ile	Lys	Thr	Ser	Cys	Thr	Lys	Glu
				170										180
Asp	Cys	Lys	Asp	Asp	Ile	Leu	Ile	Asn	Cys	Arg	Arg	Ala	Ala	Thr
				185										195
Ser	Val	Ala	Ile	Cys	Pro	Pro	Ile	Pro	Tyr	Tyr	Leu	Ala	Val	Gly
				200										210
Cys	Ser	Asp	Ser	Ser	Val	Arg	Ile	Tyr	Asp	Arg	Arg	Met	Leu	Gly
				215										225
Thr	Arg	Ala	Thr	Gly	Asn	Tyr	Ala	Gly	Arg	Gly	Thr	Thr	Gly	Met
				230										240
Val	Ala	Arg	Phe	Ile	Pro	Ser	His	Leu	Asn	Asn	Lys	Ser	Cys	Arg
				245										255
Val	Thr	Ser	Leu	Cys	Tyr	Ser	Glu	Asp	Gly	Gln	Glu	Ile	Leu	Val
				260										270
Ser	Tyr	Ser	Ser	Asp	Tyr	Ile	Tyr	Leu	Phe	Asp	Pro	Lys	Asp	Asp
				275										285
Thr	Ala	Arg	Glu	Leu	Lys	Thr	Pro	Ser	Ala	Glu	Glu	Arg	Arg	Glu
				290										300
Glu	Leu	Arg	Gln	Pro	Pro	Val	Lys	Arg	Leu	Arg	Leu	Arg	Gly	Asp
				305										315
Trp	Ser	Asp	Thr	Gly	Pro	Arg	Ala	Arg	Pro	Glu	Ser	Glu	Arg	Glu
				320										330
Arg	Asp	Gly	Glu	Gln	Ser	Pro	Asn	Val	Ser	Leu	Met	Gln	Arg	Met
				335										345
Ser	Asp	Met	Leu	Ser	Arg	Trp	Phe	Glu	Glu	Ala	Ser	Glu	Val	Ala
				350										360
Gln	Ser	Asn	Arg	Gly	Arg	Gly	Arg	Ser	Arg	Pro	Arg	Gly	Gly	Thr
				365										375
Ser	Gln	Ser	Asp	Ile	Ser	Thr	Leu	Pro	Thr	Val	Pro	Ser	Ser	Pro
				380										390
Asp	Leu	Glu	Val	Ser	Glu	Thr	Ala	Met	Glu	Val	Asp	Thr	Pro	Ala
				395										405
Glu	Gln	Phe	Leu	Gln	Pro	Ser	Thr	Ser	Ser	Thr	Met	Ser	Ala	Gln
				410										420
Ala	His	Ser	Thr	Ser	Ser	Pro	Thr	Glu	Ser	Pro	His	Ser	Thr	Pro
				425										435
Leu	Leu	Ser	Ser	Pro	Asp	Ser	Glu	Gln	Arg	Gln	Ser	Val	Glu	Ala
				440										450
Ser	Gly	His	His	Thr	His	His	Gln	Ser	Asp	Ser	Pro	Ser	Ser	Val
				455										465
Val	Asn	Lys	Gln	Leu	Gly	Ser	Met	Ser	Leu	Asp	Glu	Gln	Gln	Asp
				470										480
Asn	Asn	Asn	Glu	Lys	Leu	Ser	Pro	Lys	Pro	Gly	Thr	Gly	Glu	Pro
				485										495
Val	Leu	Ser	Leu	His	Tyr	Ser	Thr	Glu	Gly	Thr	Thr	Thr	Ser	Thr
				500										510
Ile	Lys	Leu	Asn	Phe	Thr	Asp	Glu	Trp	Ser	Ser	Ile	Ala	Ser	Ser
				515										525
Ser	Arg	Gly	Ile	Gly	Ser	His	Cys	Lys	Ser	Glu	Gly	Gln	Glu	Glu
				530										540
Ser	Phe	Val	Pro	Gln	Ser	Ser	Val	Gln	Pro	Pro	Glu	Gly	Asp	Ser
				545										555
Glu	Thr	Lys	Ala	Pro	Glu	Glu	Ser	Ser	Glu	Asp	Val	Thr	Lys	Tyr
				560										570

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Gln	Glu	Gly	Val	Ser	Ala	Glu	Asn	Pro	Val	Glu	Asn	His	Ile	Asn
				575					580					585
Ile	Thr	Gln	Ser	Asp	Lys	Phe	Thr	Ala	Lys	Pro	Leu	Asp	Ser	Asn
				590					595					600
Ser	Gly	Glu	Arg	Asn	Asp	Leu	Asn	Leu	Asp	Arg	Ser	Cys	Gly	Val
				605					610					615
Pro	Glu	Glu	Ser	Ala	Ser	Ser	Glu	Lys	Ala	Lys	Glu	Pro	Glu	Thr
				620					625					630
Ser	Asp	Gln	Thr	Ser	Thr	Glu	Ser	Ala	Thr	Asn	Glu	Asn	Asn	Thr
				635					640					645
Asn	Pro	Glu	Pro	Gln	Phe	Gln	Thr	Glu	Ala	Thr	Gly	Pro	Ser	Ala
				650					655					660
His	Glu	Glu	Thr	Ser	Thr	Arg	Asp	Ser	Ala	Leu	Gln	Asp	Thr	Asp
				665					670					675
Asp	Ser	Asp	Asp	Asp	Pro	Val	Leu	Ile	Pro	Gly	Ala	Arg	Tyr	Arg
				680					685					690
Ala	Gly	Pro	Gly	Asp	Arg	Arg	Ser	Ala	Val	Ala	Arg	Ile	Gln	Glu
				695					700					705
Phe	Phe	Arg	Arg	Arg	Lys	Glu	Arg	Lys	Glu	Met	Glu	Glu	Leu	Asp
				710					715					720
Thr	Leu	Asn	Ile	Arg	Arg	Pro	Leu	Val	Lys	Met	Val	Tyr	Lys	Gly
				725					730					735
His	Arg	Asn	Ser	Arg	Thr	Met	Ile	Lys	Glu	Ala	Asn	Phe	Trp	Gly
				740					745					750
Ala	Asn	Phe	Val	Met	Ser	Gly	Ser	Asp	Cys	Gly	His	Ile	Phe	Ile
				755					760					765
Trp	Asp	Arg	His	Thr	Ala	Glu	His	Leu	Met	Leu	Leu	Glu	Ala	Asp
				770					775					780
Asn	His	Val	Val	Asn	Cys	Leu	Gln	Pro	His	Pro	Phe	Asp	Pro	Ile
				785					790					795
Leu	Ala	Ser	Ser	Gly	Ile	Asp	Tyr	Asp	Ile	Lys	Ile	Trp	Ser	Pro
				800					805					810
Leu	Glu	Glu	Ser	Arg	Ile	Phe	Asn	Arg	Lys	Leu	Ala	Asp	Glu	Val
				815					820					825
Ile	Thr	Arg	Asn	Glu	Leu	Met	Leu	Glu	Glu	Thr	Arg	Asn	Thr	Ile
				830					835					840
Thr	Val	Pro	Ala	Ser	Phe	Met	Leu	Arg	Met	Leu	Ala	Ser	Leu	Asn
				845					850					855
His	Ile	Arg	Ala	Asp	Arg	Leu	Glu	Gly	Asp	Arg	Ser	Glu	Gly	Ser
				860					865					870
Gly	Gln	Glu	Asn	Glu	Asn	Glu	Asp	Glu	Glu					
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<210> 54

<211> 855

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5992432CD1

<400> 54

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Val	Phe	Glu	Glu	Glu	Asp	Leu	Pro	Tyr	Glu	Glu	Glu	Ile	Met	Arg
				20					25					30
Asn	Gln	Phe	Ser	Val	Lys	Cys	Trp	Leu	Arg	Tyr	Ile	Glu	Phe	Lys
				35					40					45
Gln	Gly	Ala	Pro	Lys	Pro	Arg	Leu	Asn	Gln	Leu	Tyr	Glu	Arg	Ala
				50					55					60
Leu	Lys	Leu	Leu	Pro	Cys	Ser	Tyr	Lys	Leu	Trp	Tyr	Arg	Tyr	Leu
				65					70					75
Lys	Ala	Arg	Arg	Ala	Gln	Val	Lys	His	Arg	Cys	Val	Thr	Asp	Pro

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Ala Tyr Glu Asp	Val Asn Asn Cys His	Glu Arg Ala Phe Val	Phe
80	85	90	
95	100	105	
Met His Lys Met	Pro Arg Leu Trp Leu	Asp Tyr Cys Gln Phe	Leu
110	115	120	
Met Asp Gln Gly	Arg Val Thr His Thr	Arg Arg Thr Phe Asp	Arg
125	130	135	
Ala Leu Arg Ala	Leu Pro Ile Thr Gln	His Ser Arg Ile Trp	Pro
140	145	150	
Leu Tyr Leu Arg	Phe Leu Arg Ser His	Pro Leu Pro Glu Thr	Ala
155	160	165	
Val Arg Gly Tyr	Arg Arg Phe Leu Lys	Leu Ser Pro Glu Ser	Ala
170	175	180	
Glu Glu Tyr Ile	Glu Tyr Leu Lys Ser	Ser Asp Arg Leu Asp	Glu
185	190	195	
Ala Ala Gln Arg	Leu Ala Thr Val Val	Asn Asp Glu Arg Phe	Val
200	205	210	
Ser Lys Ala Gly	Lys Ser Asn Tyr Gln	Leu Trp His Glu Leu	Cys
215	220	225	
Asp Leu Ile Ser	Gln Asn Pro Asp Lys	Val Gln Ser Leu Asn	Val
230	235	240	
Asp Ala Ile Ile	Arg Gly Gly Leu Thr	Arg Phe Thr Asp Gln	Leu
245	250	255	
Gly Lys Leu Trp	Cys Ser Leu Ala Asp	Tyr Tyr Ile Arg Ser	Gly
260	265	270	
His Phe Glu Lys	Ala Arg Asp Val Tyr	Glu Glu Ala Ile Arg	Thr
275	280	285	
Val Met Thr Val	Arg Asp Phe Thr Gln	Val Phe Asp Ser Tyr	Ala
290	295	300	
Gln Phe Glu Glu	Ser Met Ile Ala Ala	Lys Met Glu Thr Ala	Ser
305	310	315	
Glu Leu Gly Arg	Glu Glu Asp Asp	Val Asp Leu Glu Leu	Arg
320	325	330	
Leu Ala Arg Phe	Glu Gln Leu Ile Ser	Arg Arg Pro Leu Leu	Leu
335	340	345	
Asn Ser Val Leu	Leu Arg Gln Asn Pro	His His Val His Glu	Trp
350	355	360	
His Lys Arg Val	Ala Leu His Gln Gly	Arg Pro Arg Glu Ile	Ile
365	370	375	
Asn Thr Tyr Thr	Glu Ala Val Gln Thr	Val Asp Pro Phe Lys	Ala
380	385	390	
Thr Gly Lys Pro	His Thr Leu Trp Val	Ala Phe Ala Lys Phe	Tyr
395	400	405	
Glu Asp Asn Gly	Gln Leu Asp Asp Ala	Arg Val Ile Leu Glu	Lys
410	415	420	
Ala Thr Lys Val	Asn Phe Lys Gln Val	Asp Asp Leu Ala Ser	Val
425	430	435	
Trp Cys Gln Cys	Gly Glu Leu Glu Leu	Arg His Glu Asn Tyr	Asp
440	445	450	
Glu Ala Leu Arg	Leu Leu Arg Lys Ala	Thr Ala Leu Pro Ala	Arg
455	460	465	
Arg Ala Glu Tyr	Phe Asp Gly Ser Glu	Pro Val Gln Asn Arg	Val
470	475	480	
Tyr Lys Ser Leu	Lys Val Trp Ser Met	Leu Ala Asp Leu Glu	Glu
485	490	495	
Ser Leu Gly Thr	Phe Gln Ser Thr Lys	Ala Val Tyr Asp Arg	Ile
500	505	510	
Leu Asp Leu Arg	Ile Ala Thr Pro Gln	Ile Val Ile Asn Tyr	Ala
515	520	525	
Met Phe Leu Glu	Glu His Lys Tyr Phe	Glu Glu Ser Phe Lys	Ala
530	535	540	
Tyr Glu Arg Gly	Ile Ser Leu Phe Lys	Trp Pro Asn Val Ser	Asp
545	550	555	

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Ile Trp Ser Thr Tyr Leu Thr Lys Phe	Ile Ala Arg Tyr Gly Gly	
560	565	570
Arg Lys Leu Glu Arg Ala Arg Asp Leu	Phe Glu Gln Ala Leu Asp	
575	580	585
Gly Cys Pro Pro Lys Tyr Ala Lys Thr	Leu Tyr Leu Leu Tyr Ala	
590	595	600
Gln Leu Glu Glu Glu Trp Gly Leu Ala	Arg His Ala Met Ala Val	
605	610	615
Tyr Glu Arg Ala Thr Arg Ala Val Glu	Pro Ala Gln Gln Tyr Asp	
620	625	630
Met Phe Asn Ile Tyr Ile Lys Arg Ala	Ala Glu Ile Tyr Gly Val	
635	640	645
Thr His Thr Arg Gly Ile Tyr Gln Lys	Ala Ile Glu Val Leu Ser	
650	655	660
Asp Glu His Ala Arg Glu Met Cys Leu	Arg Phe Ala Asp Met Glu	
665	670	675
Cys Lys Leu Gly Glu Ile Asp Arg Ala	Arg Ala Ile Tyr Ser Phe	
680	685	690
Cys Ser Gln Ile Cys Asp Pro Arg Thr	Thr Gly Ala Phe Trp Gln	
695	700	705
Thr Trp Lys Asp Phe Glu Val Arg His	Gly Asn Glu Asp Thr Ile	
710	715	720
Lys Glu Met Leu Arg Ile Arg Arg Ser	Val Gln Ala Thr Tyr Asn	
725	730	735
Thr Gln Val Asn Phe Met Ala Ser Gln	Met Leu Lys Val Ser Gly	
740	745	750
Ser Ala Thr Gly Thr Val Ser Asp Leu	Ala Pro Gly Gln Ser Gly	
755	760	765
Met Asp Asp Met Lys Leu Leu Glu Gln	Arg Ala Glu Gln Leu Ala	
770	775	780
Ala Glu Ala Glu Arg Asp Gln Pro Leu	Arg Ala Gln Ser Lys Ile	
785	790	795
Leu Phe Val Arg Ser Asp Ala Ser Arg	Glu Glu Leu Ala Glu Leu	
800	805	810
Ala Gln Gln Val Asn Pro Glu Glu Ile	Gln Leu Gly Glu Asp Glu	
815	820	825
Asp Glu Asp Glu Met Asp Leu Glu Pro	Asn Glu Val Arg Leu Glu	
830	835	840
Gln Gln Ser Val Pro Ala Ala Val Phe	Gly Ser Leu Lys Glu Asp	
845	850	855

<210> 55

<211> 1598

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 116462CB1

<400> 55

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ggcttccttt	tccgggtctc	gaggctgctg	aaaccgaaac	cgctgtgctg	tgggcgcagc	240
gccgagattg	attcaccttc	acctgtgctg	cactccagct	gacccaagta	ggaagccaga	300
cgagctgtaa	aacatgaacg	gaagagtggg	ttattttggtc	actgaggaag	agatcaatct	360
taccagaggg	ccctcagggc	tgggcttcaa	catcgctcgt	gggacagatc	agcagtatgt	420
ctccaacgac	agtgcatct	acgtcagccg	catcaaagaa	aatggggctg	cggccctgga	480
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gctgcaccag	gatgctgtag	acctctttcg	taatgcaggc	tatgctgtgt	ctctgagagt	600
gcagcacagg	ttacaggtgc	agaatggacc	tataggacat	cgaggtgaag	gggacccaag	660
tggtattccc	atatttatgg	tgctggtgcc	agtgtttgcc	ctcaccatgg	tagcagcctg	720

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gaagatacat ttcactcacc ctccaccctt gctattctgc catgtctttc cctctctctg 840
catagccaga tttgaagtga ctgataccca ccccaaactt tgctgttcac agtctccaat 900
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<210> 56

<211> 1432

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1210462CB1

<400> 56

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ctgacccagc tgaaagcaaa atcagagggg aagcttgcaa aacagatttg caaagttgtg 180
ttggatcatt ttgaaaaaca gtattccaaa gaactcggag atgcctggaa tacagtaagg 240
gagatactaa catctccatc atgctggcaa tatgctgtcc tgcttaaccg attcaattat 300
ccttttgaac tggaaaagga tttacatttg aagggtatc acacactctc tcagggatct 360
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cctttgataa atgtaattaa agtgtctgaa ttggatggca gaaaaatggg agatgcacag 720
cctgaaatgt ttgacaagggt gttagtggat gctccgtgtt caaatgatcg aagctgggtg 780
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<210> 57

<211> 2317

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1305252CB1

<400> 57

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attaaggggg gttaaaaata aaagggtttt ttaaaaaaaa tttaaaacaa aacaaaagaa 2220
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<210> 58

<211> 1774

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1416289CB1

<400> 58

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ttcagggtgcc ttgaatggct tctaaacaat ttgatgactc accagaatgt tgaacttttt 180
aaagaactca gtataaatgt catgaaacag ctcatgggtt catctaactt atttgtgatg 240
caagtggaga tggatatata cactgctcta tgttccttca acttgtgcct 300
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cgttggacag gttttaactt cggcttcgac ctacttgtaa cttacaccaa tcgatacatc 720
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aggagcatag catttagatt acgtttggct tcttttgata gtagtggaag actaatatgt 840
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<210> 59

<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1558289CB1

<400> 59

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aagagcctgg cactgcaagc agagaagaag ctactgagta agatggcggg tcgctctgtg 180
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gctacccgct ttccgagaa gctgcggcag ggtgccatga cggcacttag ctttggtgag 420
gtagacttca ccttcgaggg tgctgttctg gctggcctgc tgaccgagtg ccgggatgtg 480
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tttgatcaact tctctgaccc aggtctgtct acggccctct atgggcctga cttcactcag 600
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<210> 60

<211> 1331

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1577739CB1

<400> 60

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gctggtgaag gccgagatgg aaaagttttt gcagaacaag gagctcttca gcagtctgaa 180
gaaggggaag atttgctgct gctgccgggc caagttcccc ctgttctcgt ggccgccag 240

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<210> 61

<211> 3227

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1752768CB1

<400> 61

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<210> 62

<211> 1865

<212> DNA

<213> Homo sapiens

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<221> misc_feature

<223> Incyte ID No: 1887228CB1

<400> 62

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<210> 63

<211> 1924

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1988468CB1

<400> 63

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<212> DNA

<213> Homo sapiens

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<400> 64

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 <211> 2035
 <212> DNA
 <213> Homo sapiens

<220>
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 <223> Incyte ID No: 2686765CB1

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 <223> Incyte ID No: 3215187CB1

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<400> 66

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<210> 68
<211> 541
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 5080410CB1

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<400> 68
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atcgcgtctct gcttccatgg cctctcgctg gcagtgaagc tcaagttgct actcgggacg 180
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<210> 69
<211> 937
<212> DNA
<213> Homo sapiens

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<220>
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<223> Incyte ID No: 5218248CB1

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<400> 69
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gagaaacacc tgttcaacct gaagttcgcg gccaaagaac tgagtaggag tgccaaaaaa 180
tgcgataagg aggaaaaggc cgaaaaggcc aaaattaaaa aggccattca gaagggaac 240
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accatgaatc tggagaagat ttctgctttg atggacaaat tcgagcacca gtttgagact 480
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<210> 70
<211> 823
<212> DNA
<213> Homo sapiens

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<220>
<221> misc_feature
<223> Incyte ID No: 058336CB1

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<400> 70

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cattcctgcg tcctttacaa gcgccaagtc tgtattcagc agtaaggccc tggtgaaaat 360
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<210> 71

<211> 1033

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1511488CB1

<400> 71

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acaagcgggc agcatgctca gggcggtcgg gagcctactg cgccttggcc gcgggctaac 180
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gccccggggg ctcccctgct actccagcgg cggggccccc agcaattctg ggccccaaag 300
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cacagcctca ttctgcctt ttctcagcca ttacctcca aacatagcag tttttctgag 960
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<210> 72

<211> 1622

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1638819CB1

<400> 72

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gctgacgtga ctgaccgag aacctcacag agaactctcg aggtgcttcc tggcaggaga 480
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<210> 73

<211> 2449

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1655123CB1

<400> 73

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<210> 74

<211> 1689

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2553926CB1

<400> 74

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<210> 75

<211> 2489

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2800717CB1

<400> 75

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<210> 76

<211> 898

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5664154CB1

<400> 76

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<210> 77

<211> 1236

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 017900CB1

<400> 77

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<210> 78

<211> 1634

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 035102CB1

<400> 78

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<210> 79

<211> 1258

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 259983CB1

<400> 79

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<211> 2223

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 926810CB1

<400> 80

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<210> 81

<211> 1370

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1398816CB1

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<210> 82

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<211> 1541

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1496820CB1

<400> 82

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<210> 83

<211> 1372

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 1514559CB1

<400> 83

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<220>
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 <223> Incyte ID No: 1620092CB1

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 <213> Homo sapiens

<220>
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<211> 1752

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 1806454CB1

<400> 87

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<213> Homo sapiens

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<211> 965

<212> DNA

<213> Homo sapiens

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<221> misc_feature

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2555

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<223> Incyte ID No: 1980010CB1

<400> 91

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<211> 4037

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2259032CB1

<400> 92

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<213> Homo sapiens

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<223> Incyte ID No: 2959521CB1

<400> 98

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<213> Homo sapiens

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<223> a, t, c, g, or other

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<400> 103

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<213> Homo sapiens

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<223> Incyte ID No: 5040573CB1

<400> 104

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<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 5678487CB1

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<210> 107

<211> 3022

<212> DNA

<213> Homo sapiens

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<220>

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<223> Incyte ID No: 5682976CB1

<400> 107

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